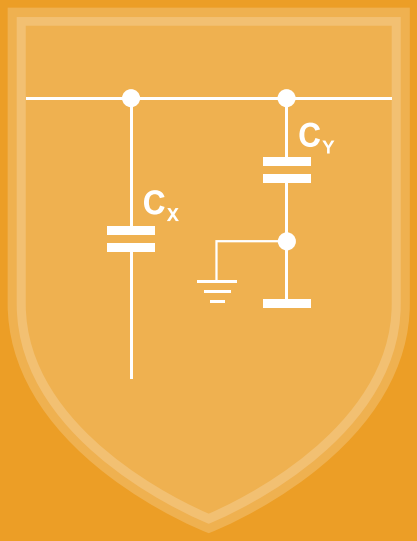
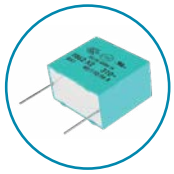
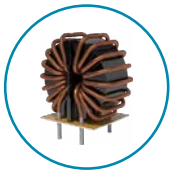
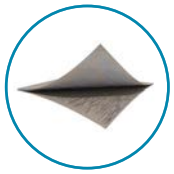
Capacitor Selection Guide

Safety-Rated EMI Filtering



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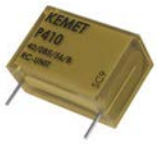
X1 Class

X1 Class

P410 Series, Metallized Impregnated Paper 300 VAC

Capacitance Range: 0.022 to 0.1 µF • **Temperature Range:** −40°C to +85°C



P	410	Q	M	223	M	300	A	H101
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging	Resistance (Ω)
P= Metallized Paper	RC Snubber	Q = 15.2 C = 20.3 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	300 = 300	See Ordering Options Table	H plus first two digits represent significant figures. Third digit specifies number of zeros.

Case Size	Voltage (VDC/VAC)
	1,000/300
15.2 – 18.5 x 13 x 7.3	22 nF
15.2 – 18.5 x 14.3 x 8.5	33 nF
20.3 – 24 x 15 x 9	47 nF
20.3 – 24 x 16.5 x 11.3	68 nF
25.4 – 30.5 x 16.1 x 10.6	100 nF

X1 Class (cont.)

PME271E Series, Metallized Impregnated Paper, 300 VAC

Capacitance Range: 0.01 to 0.22 µF • **Temperature Range:** −40°C to +110°C

Legacy Part Number System

PME271	E	(D)	510(0)	M	R30
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
X1, Metallized Paper	E = 300	Blank = Standard D = 22.5	The last three digits represent significant figures. The first digit specifies the total number of digits.	M = ±20% (for C ≤ 0.1 µF) K = ±10% (for C > 0.1 µF)	See Ordering Options Table

New KEMET Part Number System

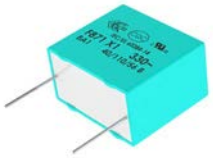
P	277	Q	E	103	M	300	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	X1, Metallized Paper	Q = 15.2 C = 20.3 S = 22.5 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20% (for C ≤ 0.1 µF) K = ±10% (for C > 0.1 µF)	300 = 300	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	630/300
15.2 – 18.5 x 10.5 x 5.2	10 nF – 15 nF
15.2 – 18.5 x 14.3 x 8.5	47 nF
15.2 – 19 x 13 x 7.3	22 nF – 33 nF
20.3 – 24 x 14 x 7.6	68 nF
20.3 – 24 x 16.5 x 11.3	100 nF
22.5 – 27 x 17 x 8	68 nF – 100 nF
22.5 – 27 x 19 x 10	150 nF
22.5 – 27 x 22 x 12	220 nF
25.4 – 30.5 x 16.1 x 10.6	150 nF
25.4 – 30.5 x 19 x 12.1	220 nF

X1 Class (cont.)

F871 – F873 Series, Halogen Free, Metallized Polypropylene, 330/480/760 VAC

Capacitance Range: 0.001 to 8.2 µF • **Temperature Range:** −40°C to +110°C



F	871	B	K	104	M	330	C
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Voltage (VAC)	Packaging
F = Film	X1, Metallized Polypropylene	A = 10 B = 15 D = 22.5 F = 27.5 R = 37.5	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	330	See Ordering Options Table

F871

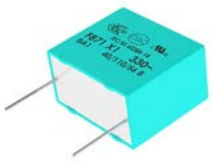
Case Size	Voltage (VDC/VAC)
	800/330
10 – 13 x 11 x 5	15 nF – 22 nF
10 – 13 x 12 x 6	22 nF – 33 nF
10 – 13 x 17 x 7	33 nF – 47 nF
10 – 13 x 7.5 x 9.5	1.8 nF – 27 nF
10 – 13 x 8 x 4	1 nF – 10 nF
10 – 13 x 9 x 4	10 nF – 12 nF
15 – 18 x 10 x 4	2.7 nF – 33 nF
15 – 18 x 11 x 5	33 nF – 47 nF
15 – 18 x 12 x 13	82 nF – 180 nF
15 – 18 x 12 x 6	68 nF
15 – 18 x 12.5 x 5.5	47 nF – 68 nF
15 – 18 x 12.5 x 9	82 nF – 120 nF
15 – 18 x 13.5 x 7.5	82 nF – 120 nF
15 – 18 x 14.5 x 8.5	120 nF – 150 nF
15 – 18 x 16 x 10	180 nF
15 – 18 x 17.5 x 6	82 nF – 120 nF
15 – 18 x 18.5 x 7.5	150 nF – 180 nF
15 – 18 x 19 x 11	220 nF – 270 nF
15 – 18 x 20 x 12	250 nF – 270 nF
22.5 – 26 x 14.5 x 6	39 nF – 150 nF
22.5 – 26 x 16 x 7	150 nF – 220 nF
22.5 – 26 x 16 x 8	250 nF – 270 nF
22.5 – 26 x 17 x 8.5	330 nF
22.5 – 26 x 18.5 x 10	390 nF – 470 nF
22.5 – 26 x 18.5 x 9	330 nF – 390 nF

Case Size	Voltage (VDC/VAC)
	800/330
22.5 – 26 x 20 x 11	470 nF – 560 nF
22.5 – 26 x 22 x 13	680 nF – 820 nF
22.5 – 26 x 24.5 x 15.5	820 nF – 1 µF
27.5 – 31.5 x 12.5 x 21	250 nF – 680 nF
27.5 – 31.5 x 16 x 27.5	1.2 µF
27.5 – 31.5 x 17 x 9	220 nF – 390 nF
27.5 – 31.5 x 19 x 31	1.5 µF – 1.8 µF
27.5 – 31.5 x 20 x 11	150 nF – 680 nF
27.5 – 31.5 x 25 x 13	820 nF – 1 µF
27.5 – 31.5 x 28 x 14	1.2 µF
27.5 – 31.5 x 28 x 17.5	1.5 µF – 1.8 µF
27.5 – 31.5 x 29 x 19	1.8 µF
27.5 – 31.5 x 37 x 22	2.2 µF – 3.3 µF
27.5 – 31.5 x 40 x 17	1.8 µF – 2.2 µF
37.5 – 41 x 15 x 24	560 nF – 1.5 µF
37.5 – 41 x 19 x 24	1.8 µF – 2.7 µF
37.5 – 41 x 22 x 11	330 nF – 1 µF
37.5 – 41 x 24 x 13	1.2 µF – 1.5 µF
37.5 – 41 x 26 x 15	1.5 µF – 1.8 µF
37.5 – 41 x 28.5 x 16	2.2 µF
37.5 – 41 x 32 x 19	2.5 µF – 3.3 µF
37.5 – 41 x 38 x 21	3.3 µF – 4.7 µF
37.5 – 41 x 44 x 24	4.7 µF – 6.8 µF
37.5 – 41 x 45 x 30	6.8 µF – 8.2 µF

X1 Class (cont.)

F871 – F873 Series, Halogen Free, Metallized Polypropylene, 330/480/760 VAC (cont.)

Capacitance Range: 0.001 to 8.2 µF • **Temperature Range:** −40°C to +110°C



F	871	B	K	104	M	330	C
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Voltage (VAC)	Packaging
F = Film	X1, Metallized Polypropylene	A = 10 B = 15 D = 22.5 F = 27.5 R = 37.5	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	330	See Ordering Options Table

F872

Case Size	Voltage (VDC/VAC) 1,000/480
10 – 13 x 11 x 5	5.6 nF – 8.2 nF
10 – 13 x 12 x 6	10 nF – 12 nF
10 – 13 x 17 x 7	15 nF – 18 nF
10 – 13 x 7.5 x 9.5	1.8 nF – 10 nF
10 – 13 x 8 x 4	1 nF – 3.9 nF
10 – 13 x 9 x 4	3.9 nF – 4.7 nF
15 – 18 x 10 x 4	2.7 nF – 15 nF
15 – 18 x 11 x 5	18 nF – 22 nF
15 – 18 x 12 x 13	39 nF – 82 nF
15 – 18 x 12 x 6	33 nF
15 – 18 x 12.5 x 5.5	25 nF – 33 nF
15 – 18 x 12.5 x 9	15 nF – 47 nF
15 – 18 x 13.5 x 7.5	39 nF – 56 nF
15 – 18 x 14.5 x 8.5	56 nF – 68 nF
15 – 18 x 16 x 10	82 nF – 100 nF
15 – 18 x 17.5 x 6	39 nF – 56 nF
15 – 18 x 18.5 x 7.5	56 nF – 82 nF
15 – 18 x 19 x 11	100 nF – 120 nF
15 – 18 x 20 x 12	120 nF – 150 nF
22.5 – 26 x 14.5 x 6	39 nF – 68 nF
22.5 – 26 x 16 x 7	82 nF – 120 nF
22.5 – 26 x 16 x 8	120 nF
22.5 – 26 x 17 x 8.5	150 nF
22.5 – 26 x 18.5 x 10	180 nF – 220 nF
22.5 – 26 x 18.5 x 9	150 nF – 180 nF
22.5 – 26 x 20 x 11	220 nF
22.5 – 26 x 22 x 13	250 nF – 390 nF
22.5 – 26 x 24.5 x 15.5	390 nF – 470 nF
27.5 – 31.5 x 12.5 x 21	250 nF – 390 nF
27.5 – 31.5 x 16 x 27.5	560 nF – 680 nF
27.5 – 31.5 x 17 x 9	150 nF – 180 nF
27.5 – 31.5 x 19 x 31	680 nF – 1 µF
27.5 – 31.5 x 20 x 11	220 nF – 330 nF
27.5 – 31.5 x 25 x 13	390 nF – 470 nF
27.5 – 31.5 x 28 x 14	560 nF
27.5 – 31.5 x 28 x 17.5	680 nF – 820 nF
27.5 – 31.5 x 29 x 19	820 nF – 1 µF
27.5 – 31.5 x 37 x 22	1 µF – 1.8 µF
27.5 – 31.5 x 40 x 17	820 nF – 1.2 µF
37.5 – 41 x 15 x 24	560 nF – 680 nF
37.5 – 41 x 19 x 24	820 nF – 1.2 µF
37.5 – 41 x 22 x 11	330 nF – 560 nF
37.5 – 41 x 24 x 13	680 nF
37.5 – 41 x 26 x 15	820 nF – 1 µF
37.5 – 41 x 28.5 x 16	1 µF – 1.2 µF
37.5 – 41 x 32 x 19	1.2 µF – 1.8 µF
37.5 – 41 x 38 x 21	1.8 µF
37.5 – 41 x 44 x 24	2.2 µF – 2.7 µF
37.5 – 41 x 45 x 30	3.3 µF – 3.5 µF

F873

Case Size	Voltage (VDC/VAC) 1,500/760
22.5 – 26 x 14.5 x 6	10 nF – 25 nF
22.5 – 26 x 16 x 7	25 nF – 39 nF
22.5 – 26 x 16 x 8	47 nF
22.5 – 26 x 17 x 8.5	47 nF – 56 nF
22.5 – 26 x 18.5 x 10	68 nF – 82 nF
22.5 – 26 x 18.5 x 9	56 nF
22.5 – 26 x 20 x 11	82 nF – 100 nF
22.5 – 26 x 22 x 13	100 nF – 120 nF
22.5 – 26 x 24.5 x 15.5	150 nF – 180 nF
27.5 – 31.5 x 12.5 x 21	100 nF – 150 nF
27.5 – 31.5 x 16 x 27.5	220 nF – 250 nF
27.5 – 31.5 x 17 x 9	56 nF – 82 nF
27.5 – 31.5 x 19 x 31	270 nF – 330 nF
27.5 – 31.5 x 20 x 11	82 nF – 120 nF
27.5 – 31.5 x 25 x 13	150 nF – 220 nF
27.5 – 31.5 x 28 x 14	220 nF – 250 nF
27.5 – 31.5 x 28 x 17.5	250 nF – 330 nF
27.5 – 31.5 x 29 x 19	330 nF – 390 nF
27.5 – 31.5 x 37 x 22	390 nF – 560 nF
27.5 – 31.5 x 40 x 17	250 nF – 390 nF
37.5 – 41 x 15 x 24	220 nF – 330 nF
37.5 – 41 x 19 x 24	330 nF – 470 nF
37.5 – 41 x 22 x 11	150 nF – 220 nF
37.5 – 41 x 24 x 13	250 nF – 330 nF
37.5 – 41 x 26 x 15	330 nF
37.5 – 41 x 28.5 x 16	390 nF – 470 nF
37.5 – 41 x 32 x 19	470 nF – 680 nF
37.5 – 41 x 38 x 21	680 nF – 820 nF
37.5 – 41 x 44 x 24	820 nF – 1.2 µF
37.5 – 41 x 45 x 30	1.5 µF – 1.8 µF

X1 Class (cont.)

R49 Series, Metallized Polypropylene, 330 VAC

Capacitance Range: 0.047 to 6.8 µF • **Temperature Range:** −40°C to +110°C

R49	A	N	3150	00	B1	M
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Lead and Packaging Code	Internal Use	Capacitance Tolerance
X1, Metallized Polypropylene	A = 330	I = 15.0 N = 22.5 R = 27.5 W = 37.5	The last three digits represent significant figures. The first digit specifies number of zeros to be added.	See Ordering Options Table	A1 A2 A3 B1 B2	K = ±10% M = ±20%

Case Size	Voltage (VDC/VAC)
	800/330
15 – 18 x 11 x 5	47 nF
15 – 18 x 12 x 6	68 nF
15 – 18 x 14.5 x 8.5	150 nF
15 – 18 x 16 x 10	220 nF
15 – 18 x 17.5 x 6	68 nF – 100 nF
15 – 18 x 19 x 11	220 nF
22.5 – 26.5 x 15 x 6	150 nF
22.5 – 26.5 x 16 x 7	220 nF
22.5 – 26.5 x 17 x 8.5	330 nF
22.5 – 26.5 x 18.5 x 10	470 nF
22.5 – 26.5 x 22 x 13	680 nF
27.5 – 32 x 17 x 9	330 nF

Case Size	Voltage (VDC/VAC)
	800/330
27.5 – 32 x 20 x 11	470 nF – 680 nF
27.5 – 32 x 22 x 13	680 nF
27.5 – 32 x 28 x 14	1 µF – 1.5 µF
27.5 – 32 x 33 x 18	1.5 µF – 2.2 µF
27.5 – 32 x 37 x 22	2.2 µF – 3.3 µF
27.5 – 32 x 25 x 13	1 µF
37.5 – 41.5 x 22 x 11	680 nF – 1 µF
37.5 – 41.5 x 24 x 13	1.5 µF
37.5 – 41.5 x 28.5 x 16	2.2 µF
37.5 – 41.5 x 32 x 19	3.3 µF – 4.7 µF
37.5 – 41.5 x 45 x 30	6.8 µF

X1 Class (cont.)

900 Series, Radial Disc, Encapsulated, AC Type, X1 400 VAC/Y2 250 VAC (Industrial Grade)

Capacitance Range: 2 pF to 10,000 pF • **Temperature Range:** −40°C to +125°C

C9	1	1	U	620	J	U	S	D	A	A	7317
Ceramic Series	Body Diameter	Lead Spacing[1]	Spec.	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Dielectric/ Temp. Char.	Design	Lead Config.[2]	Failure Rate	Packaging (C-Spec)
C9 = Ceramic 900 Series	0 = 7.0 mm 1 = 8.0 mm 2 = 9.0 mm 3 = 10.0 mm 4 = 11.0 mm 5 = 12.0 mm 7 = 14.0 mm	1 = 10.0 mm	U = Safety	Two significant digits and number of zeroes	J = ±5% K = ±10% M = ±10%	U = X1 400 VAC /Y1 250 VAC	S = SL Y = Y5P W = Y5U V = Y5V	D = Disc	A = Straight B = Vertical Kink C = Outside Kink	A = N/A	See "Packaging C-Spec Ordering Options Table" below

Case Size	Voltage			
	Y5V	SL	Y5P	Y5U
7	1 nF – 2.2 nF	10 pF – 51 pF	100 pF – 470 pF	1 nF
8		56 pF – 75 pF	560 pF – 680 pF	
9	3.3 nF	82 pF	820 pF – 1 nF	1.5 nF – 2.2 nF
10		100 pF		
11	3.9 nF – 4.7 nF			3.3 nF
13	6.8 nF			3.9 nF – 4.7 nF
15	0.01 µF			

X1 Class (cont.)

KJY Series, Y5P, Y5U & Y5V Dielectric, Y2 250 VAC/X1 400 VAC

Capacitance Range: 100 pF to 10,000 pF • **Temperature Range:** −25°C to +125°C

KJY	102	M	R	31		F	A
Series	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Size (mm)		Lead Spacing (mm)	Temperature Code
	Two significant digits and number of zeros	K = ±10% M = ±20%	R = 400 VAC/X1, 250 VAC/Y2	28 = 7 31 = 8 35 = 9 39 = 10 43 = 11 47 = 12 51 = 13	55 = 14 59 = 15 63 = 16 67 = 17 71 = 18 79 = 20 87 = 22	F = 10 G = 12.5	A = Y5U or better B = Y5V G = Y5P

Case Size	Voltage		
	Y5V	Y5P	Y5U
8	1 nF – 1.5 nF	100 pF – 470 pF	1 nF
9	2.2 nF	560 pF – 680 pF	1.5 nF
10	3.3 nF	1 nF	2.2 nF
11	3.9 nF		2.5 nF
12	4.7 nF		3.3 nF
13			3.9 nF
14			4.7 nF
16	0.01 µF		

X1 Class (cont.)

ERO610 Series, Radial AC Type, X1 440 VAC/Y2 250 VAC

Capacitance Range: 1,000 pF to 12,000 pF • **Temperature Range:** −40°C to +125°C

ERO610	T	102	M	CF0
Ceramic Series	Voltage Rating (Safety Subclass Rating)	Capacitance Code (pF)	Capacitance Tolerance	Lead configuration / Packaging Code
ERO610	T = X1 440 VAC/Y2 250 VAC	Two significant digits andw Number of zeroes	M = ±20%	*See Packaging Options

Case Size	Voltage
	Y5U
6.5	1 nF
8	1.5 nF – 1.8 nF
9	2.2 nF – 2.5 nF
10	3.3 nF
12	4.7 nF – 5 nF
17	6.8 nF – 8.2 nF
21	0.01 µF – 0.012 µF

X1 Class (cont.)

ERK610 Series, Radial AC Type, X1 440 VAC/Y2 300 VAC

Capacitance Range: 33 pF to 4,700 pF • **Temperature Range:** −40°C to +125°C

ERK610	Z	102	K	CF0
Ceramic Series	Voltage Rating (Safety Subclass Rating)	Capacitance Code (pF)	Capacitance Tolerance	Lead configuration/ Packaging Code
ERK610	Z = X1 440 VAC/Y2 300 VAC	Two significant digits and Number of zeroes	K = ±10% M = ±20%	*See Packaging Options

Case Size	Voltage			
	U2J	Y5S	Y5T	Y5U
7				1 nF
8	33 pF – 47 pF	68 pF – 100 pF	150 pF – 330 pF	470 pF – 1.5 nF
9				680 pF
10				2.2 nF
12				3.3 nF
13.5				3.9 nF – 4.7 nF

X1 Class (cont.)

R47 Series, Metallized Polypropylene, 440 VAC (Automotive Grade)

Capacitance Range: 0.0047 to 2.2 µF • **Temperature Range:** −40°C to +110°C

R47	4	I	2100	00	A1	M
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Packaging	Internal Use	Capacitance Tolerance
X1, Metallized Polypropylene	4 = 440	F = 10.0 I = 15.0 N = 22.5 R = 27.5 W = 37.5	The last three digits represent significant figures. The first digit specifies number of zeros to be added.	See Ordering Options Table	A1 A2 A3	K = ±10% M = ±20%

Case Size	Voltage (VDC/VAC)
	1,000/440
10 – 13 x 11 x 5	6.8 nF
10 – 13 x 12 x 6	8.2 nF – 10 nF
10 – 13 x 9 x 4	4.7 nF
15 – 18 x 11 x 5	10 nF – 18 nF
15 – 18 x 12 x 13	68 nF
15 – 18 x 12 x 6	22 nF – 33 nF
15 – 18 x 12.5 x 9	47 nF
15 – 18 x 13.5 x 7.5	39 nF – 47 nF
15 – 18 x 14.5 x 8.5	56 nF
15 – 18 x 16 x 10	68 nF – 82 nF
15 – 18 x 17.5 x 6	47 nF

Case Size	Voltage (VDC/VAC)
	1,000/440
15 – 18 x 18.5 x 7.5	68 nF
15 – 18 x 19 x 11	100 nF
22.5 – 26.5 x 13.5 x 6.5	47 nF
22.5 – 26.5 x 15 x 6	47 nF – 68 nF
22.5 – 26.5 x 16 x 7	100 nF
22.5 – 26.5 x 17 x 8.5	120 nF
22.5 – 26.5 x 18.5 x 10	150 nF – 180 nF
22.5 – 26.5 x 20 x 11	220 nF
22.5 – 26.5 x 22 x 13	270 nF – 330 nF
27.5 – 32 x 17 x 9	150 nF – 270 nF
27.5 – 32 x 20 x 11	330 nF – 390 nF

Case Size	Voltage (VDC/VAC)
	1,000/440
27.5 – 32 x 22 x 13	470 nF – 560 nF
27.5 – 32 x 28 x 14	680 nF
27.5 – 32 x 33 x 18	820 nF – 1.2 µF
27.5 – 32 x 37 x 22	1.5 µF
37.5 – 41.5 x 22 x 11	470 nF – 560 nF
37.5 – 41.5 x 24 x 13	680 nF
37.5 – 41.5 x 28.5 x 16	820 nF – 1 µF
37.5 – 41.5 x 32 x 19	1.2 µF – 1.5 µF
37.5 – 41.5 x 40 x 20	1.8 µF – 2.2 µF

X1 Class (cont.)

900 Series, Radial Disc, Encapsulated, AC Type, X1 440 VAC/Y2 300 VAC (Industrial Grade)

Capacitance Range: 2 pF to 10,000 pF • **Temperature Range:** −40°C to +125°C

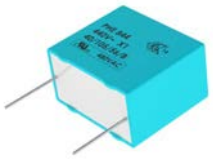
C9	7	1	U	472	M	Z	W	D	A	A	7317
Ceramic Series	Body Diameter	Lead Spacing[1,2,4]	Spec.	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Dielectric/ Temp. Char.	Design	Lead Config.[1,3,4]	Failure Rate	Packaging (C-Spec)
C9 = Ceramic 900 Series	0 = 7.0 mm 1 = 8.0 mm 2 = 9.0 mm 3 = 10.0 mm 4 = 11.0 mm 6 = 13.0 mm 8 = 15.0 mm	7 = 7.5 mm 1 = 10.0 mm	U = Safety	Two significant digits and number of zeroes	J = ±5% K = ±10% M = ±20%	Z = X1 440 VAC /Y2 300 VAC	S = SL Y = Y5P W = Y5U V = Y5V	D = Disc	A = Straight B = Vertical Kink C = Outside Kink D = Inside Kink	A = N/A	See "Packaging C-Spec Ordering Options Table" below

Case Size	Voltage			
	Y5V	SL	Y5P	Y5U
7	1 nF – 2.2 nF	10 pF – 51 pF	100 pF – 470 pF	1 nF
8		56 pF – 75 pF	560 pF – 680 pF	
9	3.3 nF	82 pF	820 pF – 1 nF	1.5 nF – 2.2 nF
10		100 pF		
11	3.9 nF – 4.7 nF			3.3 nF
13	6.8 nF			3.9 nF – 4.7 nF
15	0.01 µF			

X1 Class (cont.)

PHE844 Series, Metallized Polypropylene, 440/480 VAC

Capacitance Range: 0.1 to 2.2 µF • **Temperature Range:** −40°C to +105°C



Legacy Part Number System

PHE844	R	D	6100	M	R06L2
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
X1, Metallized Polypropylene	R = 440	D = 22.5 F = 27.5 R = 37.5	The last three digits represent significant figures. The first digit specifies the total number of digits.	K = ±10% M = ±20%	See Ordering Options Table

New KEMET Part Number System

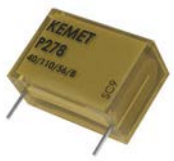
F	844	D	H	104	M	440	C
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
F = Film	X1, Metallized Polypropylene	D = 22.5 F = 27.5 R = 37.5	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	440 = 440	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,000/440
22.5 – 26 x 16 x 8	100 nF
22.5 – 26 x 18.5 x 9	150 nF
22.5 – 26 x 21.5 x 11	220 nF
22.5 – 26 x 23 x 13.5	330 nF
22.5 – 26 x 24.5 x 15.5	470 nF
27.5 – 31.5 x 20.5 x 10.5	220 nF
27.5 – 31.5 x 23 x 13.5	330 nF
27.5 – 31.5 x 24.5 x 14.5	470 nF
27.5 – 31.5 x 28 x 17.5	680 nF
27.5 – 31.5 x 30 x 21	1 µF
37.5 – 41 x 24 x 13	470 nF – 680 nF
37.5 – 41 x 26 x 15	1 µF
37.5 – 41 x 36 x 19	1.5 µF
37.5 – 41 x 38 x 21	2.2 µF

X1 Class (cont.)

P278 Series, Metallized Impregnated Paper, 480 VAC

Capacitance Range: 0.001 to 0.15 µF • **Temperature Range:** −40°C to +110°C



P	278	H	E	102	M	480	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	X1, Metallized Paper	H = 10.2 Q = 15.2 C = 20.3 S = 22.5 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	480 = 480	See Ordering Options Table

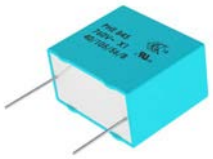
Case Size	Voltage (VDC/VAC)
	1,000/440
10.2 – 13.5 x 10.5 x 5.1	4.7 nF
10.2 – 13.5 x 7.5 x 3.9	1 nF – 2.2 nF
10.2 – 13.5 x 8.2 x 4.1	3.3 nF
15.2 – 18.5 x 10.5 x 5.2	6.8 nF – 10 nF
15.2 – 18.5 x 11.1 x 5.5	15 nF
15.2 – 18.5 x 14.3 x 8.5	22 nF
20.3 – 24 x 14 x 7.6	33 nF

Case Size	Voltage (VDC/VAC)
	1,000/440
20.3 – 24 x 15 x 9	47 nF
20.3 – 24 x 16.5 x 11.3	68 nF
22.5 – 27 x 17 x 8	33 nF – 47 nF
22.5 – 27 x 19 x 10	68 nF
22.5 – 27 x 22 x 12	100 nF
25.4 – 30.5 x 19 x 12.1	100 nF
25.4 – 30.5 x 22 x 15.3	150 nF

X1 Class (cont.)

PHE845 Series, Metallized Polypropylene, 760 VAC

Capacitance Range: 0.01 to 1.0 µF • **Temperature Range:** −40°C to +105°C



Legacy Part Number System

PHE845	V	D	5100	M	R06L2
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
X1, Metallized Polypropylene	V = 760	D = 22.5 F = 27.5 R = 37.5	The last three digits represent significant figures. The first digit specifies the total number of digits.	K = ±10% M = ±20%	See Ordering Options Table

New KEMET Part Number System

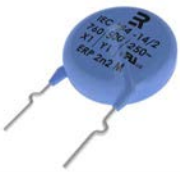
F	845	D	D	103	M	760	C
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
F = Film	X1, Metallized Polypropylene	D = 22.5 F = 27.5 R = 37.5	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	760 = 760	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,500/760
22.5 – 26 x 14.5 x 6.5	10 nF – 22 nF
22.5 – 26 x 16.5 x 7	33 nF
22.5 – 26 x 18.5 x 9	47 nF
22.5 – 26 x 19 x 10.5	68 nF
22.5 – 26 x 21.5 x 11	100 nF
22.5 – 26 x 23 x 13.5	150 nF
22.5 – 26 x 24.5 x 15.5	220 nF
27.5 – 31.5 x 20.5 x 10.5	100 nF
27.5 – 31.5 x 22.5 x 11.5	150 nF
27.5 – 31.5 x 23 x 13.5	220 nF
27.5 – 31.5 x 29 x 19	330 nF
27.5 – 31.5 x 30 x 21	470 nF
37.5 – 41 x 26 x 15	470 nF
37.5 – 41 x 32 x 16.5	470 nF
37.5 – 41 x 36 x 19	680 nF
37.5 – 41 x 38 x 21	1 µF

X1 Class (cont.)

ERP610 Series, Radial AC Type, X1 760 VAC/Y2 500 VAC

Capacitance Range: 33 pF to 4,700 pF • **Temperature Range:** −40°C to +125°C



ERP610	W	102	M	DF0
Ceramic Series	Voltage Rating (Safety Subclass Rating)	Capacitance Code (pF)	Capacitance Tolerance	Lead configuration / Packaging Code
ERP610	W = X1 760 VAC/Y1 500 VAC	Two significant digits and Number of zeroes	K = ±10% M = ±20%	*See Packaging Options

Case Size	Voltage			
	U2J	Y5S	Y5T	Y5U
8	33 pF	47 pF – 100 pF	150 pF – 220 pF	330 pF – 680 pF
9				1 nF
10				1.5 nF
12				2.2 nF
13				2.7 nF
15				3.3 nF – 3.9 nF
17				4.7 nF

X2 Class

X2 Class

P409 Series Metallized Polypropylene, 275 VAC

Capacitance Range: 0.047 to 0.47 µF • **Temperature Range:** −40°C to +85°C

P	409	Q	M	473	M	275	A	H470
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging	Resistance (Ω)
P= Metallized Paper	RC Snubber	Q = 15.2 C = 20.3 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	275 = 275	See Ordering Options Table	H plus first two digits represent significant figures. Third digit specifies number of zeros.

Case Size	Voltage (VDC/VAC)
	630/250
15.2 – 18.5 x 13 x 7.3	47 nF
20.3 – 24 x 14 x 7.6	100 nF
20.3 – 24 x 16.5 x 11.3	100 nF – 220 nF
25.4 – 30.5 x 19 x 12.1	220 nF
25.4 – 30.5 x 22 x 15.3	220 nF – 470 nF

X2 Class (cont.)

P409 Series Metallized Polypropylene, 275 VAC

Capacitance Range: 0.047 to 0.47 µF • **Temperature Range:** −40°C to +85°C

P	409	Q	M	473	M	275	A	H470
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging	Resistance (Ω)
P= Metallized Paper	RC Snubber	Q = 15.2 C = 20.3 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	275 = 275	See Ordering Options Table	H plus first two digits represent significant figures. Third digit specifies number of zeros.

Case Size	Voltage (VDC/VAC)
	630/275
15.2 – 18.5 x 13 x 7.3	47 nF
20.3 – 24 x 14 x 7.6	100 nF
20.3 – 24 x 16.5 x 11.3	100 nF – 220 nF
25.4 – 30.5 x 19 x 12.1	220 nF
25.4 – 30.5 x 22 x 15.3	220 nF – 470 nF

X2 Class (cont.)

PME271M Series Metallized Impregnated Paper, 275 VAC

Capacitance Range: 0.001 to 0.6 µF • **Temperature Range:** −40°C to +110°C

Legacy Part Number System

PME271	M	(B)	610(0)	M	R30
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
X2, Metallized Paper	M = 275	Blank = Standard A = 10.2 B = 15.2 D = 22.5	The last three digits represent significant figures. The first digit specifies the total number of digits.	M = ±20% (for C ≤ 0.1 µF) K = ±10% (for C > 0.1 µF)	See Ordering Options Table

New KEMET Part Number System

P	276	Q	E	104	M	275	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	X2, Metallized Paper	H = 10.2 Q = 15.2 C = 20.3 S = 22.5 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20% (for C ≤ 0.1 µF) K = ±10% (for C > 0.1 µF)	275 = 275	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	630/275
10.2 – 13.5 x 10.5 x 5.1	4.7 nF – 6.8 nF
10.2 – 13.5 x 7.5 x 3.9	1 nF – 2.2 nF
10.2 – 13.5 x 8.2 x 4.1	3.3 nF
15.2 – 18.5 x 10.5 x 5.2	6.8 nF – 15 nF
15.2 – 18.5 x 12.5 x 6	22 nF – 47 nF
15.2 – 18.5 x 13.5 x 7.8	68 nF
15.2 – 18.5 x 14.3 x 8.5	100 nF
20.3 – 24 x 14 x 7.6	100 nF
20.3 – 24 x 15 x 9	150 nF
20.3 – 24 x 16.5 x 11.3	220 nF
22.5 – 27 x 17 x 8	100 nF – 150 nF
22.5 – 27 x 19 x 10	220 nF
22.5 – 27 x 22 x 12	270 nF – 330 nF
25.4 – 30.5 x 17.3 x 10.5	270 nF
25.4 – 30.5 x 19 x 12.1	330 nF
25.4 – 30.5 x 22 x 15.3	470 nF – 600 nF

X2 Class (cont.)

R46 (Miniature) Series, Metallized Polypropylene, 275 VAC

Capacitance Range: 0.033 to 10 µF • **Temperature Range:** −40°C to +110°C

R46	K	I	3470	00	P0	M
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Packaging	Internal Use	Capacitance Tolerance
X2, Metallized Polypropylene	K = 275	F = 10.0 I = 15.0 N = 22.5 R = 27.5 W = 37.5	The last three digits represent significant figures. The first digit specifies number of zeros to be added.	See Ordering Options Table	P0 P1 P2 P3	K = ±10% M = ±20%

Case Size	Voltage (VDC/VAC)
	560/275
10 – 13 x 11 x 5	33 nF – 100 nF
10 – 13 x 12 x 6	68 nF – 150 nF
10 – 13 x 9 x 4	10 nF – 47 nF
15 – 18 x 11 x 5	10 nF – 150 nF
15 – 18 x 12 x 13	330 nF
15 – 18 x 12 x 6	150 nF – 220 nF
15 – 18 x 12.5 x 9	150 nF – 470 nF
15 – 18 x 13.5 x 7.5	220 nF – 330 nF
15 – 18 x 14.5 x 8.5	330 nF – 470 nF
15 – 18 x 16 x 10	330 nF – 680 nF
15 – 18 x 17.5 x 6	220 nF – 470 nF

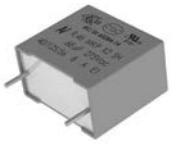
Case Size	Voltage (VDC/VAC)
	560/275
15 – 18 x 18.5 x 7.5	330 nF – 470 nF
15 – 18 x 19 x 11	470 nF – 820 nF
22.5 – 26.5 x 15 x 6	150 nF – 560 nF
22.5 – 26.5 x 16 x 7	470 nF – 680 nF
22.5 – 26.5 x 17 x 8.5	1 µF
22.5 – 26.5 x 18.5 x 10	680 nF – 1.5 µF
22.5 – 26.5 x 20 x 11	1 µF – 1.5 µF
22.5 – 26.5 x 22 x 13	2.2 µF
27.5 – 32 x 17 x 9	470 nF – 1 µF
27.5 – 32 x 20 x 11	1 µF – 1.5 µF
27.5 – 32 x 22 x 13	1.5 µF – 2.2 µF

Case Size	Voltage (VDC/VAC)
	560/275
27.5 – 32 x 25 x 13	2.2 µF
27.5 – 32 x 28 x 14	2.2 µF – 4.7 µF
27.5 – 32 x 33 x 18	3.3 µF – 4.7 µF
27.5 – 32 x 37 x 22	4.7 µF – 6.8 µF
37.5 – 41.5 x 22 x 11	1.5 µF – 2.2 µF
37.5 – 41.5 x 24 x 13	2.2 µF – 3.3 µF
37.5 – 41.5 x 28.5 x 16	3.3 µF – 4.7 µF
37.5 – 41.5 x 32 x 19	4.7 µF – 6.8 µF
37.5 – 41.5 x 40 x 20	6.8 µF – 10 µF
37.5 – 41.5 x 44 x 24	6.8 µF
37.5 – 41.5 x 45 x 30	10 µF

X2 Class (cont.)

R46 Series, Metallized Polypropylene, 275 VAC, 125°C

Capacitance Range: 0.01 to 1 µF • **Temperature Range:** −40°C to +125°C



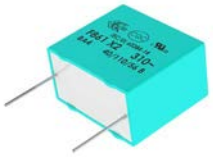
R46	K	N	3220	00	H1	M
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Packaging	Internal Use	Capacitance Tolerance
X2, Metallized Polypropylene	K = 275	F = 10.0 I = 15.0 N = 22.5	The last three digits represent significant figures. The first digit specifies number of zeros to be added.	See Ordering Options Table	H = High Temperature H1 H2 H3 H4	K = ±10% M = ±20%

Case Size	Voltage (VDC/VAC)
	560/275
10 – 13 x 11 x 5	10 nF – 33 nF
10 – 13 x 12 x 6	47 nF – 68 nF
15 – 18 x 11 x 5	10 nF – 68 nF
15 – 18 x 12 x 13	330 nF
15 – 18 x 12 x 6	100 nF
15 – 18 x 12.5 x 9	150 nF – 220 nF
15 – 18 x 13.5 x 7.5	150 nF
15 – 18 x 14.5 x 8.5	220 nF
15 – 18 x 16 x 10	330 nF
15 – 18 x 17.5 x 6	150 nF – 220 nF
15 – 18 x 18.5 x 7.5	220 nF – 330 nF
15 – 18 x 19 x 11	470 nF
22.5 – 26.5 x 15 x 6	150 nF – 220 nF
22.5 – 26.5 x 16 x 7	330 nF
22.5 – 26.5 x 18.5 x 10	470 nF
22.5 – 26.5 x 20 x 11	680 nF
22.5 – 26.5 x 22 x 13	1 µF

X2 Class (cont.)

F861 Series Metallized Polypropylene Film, 310 VAC

Capacitance Range: 0.01 – 4.7 µF • **Temperature Range:** –40°C to +110°C



F	861	B	C	104	M	310	C
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Voltage (VAC)	Packaging
F = Film	X2, Metallized Polypropylene	K = 7.5 A = 10 B = 15 D = 22.5 F = 27.5 R = 37.5	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	310	See Ordering Options Table

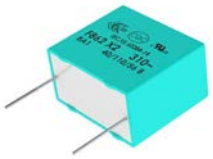
Case Size	Voltage (VDC/VAC)
	630/310
7.5 – 10 x 10.5 x 5	18 nF – 33 nF
7.5 – 10 x 8 x 4	10 nF – 12 nF
7.5 – 10 x 9 x 4	15 nF
7.5 – 10.5 x 12 x 6	33 nF – 47 nF
10 – 13 x 11 x 5	68 nF – 100 nF
10 – 13 x 12 x 6	100 nF – 150 nF
10 – 13 x 17 x 7	150 nF – 270 nF
10 – 13 x 7.5 x 9.5	10 nF – 120 nF
10 – 13 x 8 x 4	10 nF – 47 nF
10 – 13 x 9 x 4	56 nF
15 – 18 x 10 x 4	10 nF – 120 nF
15 – 18 x 11 x 5	120 nF – 180 nF
15 – 18 x 12 x 13	270 nF – 680 nF
15 – 18 x 12 x 6	220 nF – 270 nF
15 – 18 x 12.5 x 5.5	180 nF – 220 nF
15 – 18 x 12.5 x 9	150 nF – 390 nF
15 – 18 x 13.5 x 7.5	270 nF – 390 nF
15 – 18 x 14.5 x 8.5	390 nF – 470 nF
15 – 18 x 16 x 10	560 nF – 680 nF
15 – 18 x 17.5 x 6	270 nF – 390 nF
15 – 18 x 18.5 x 7.5	470 nF – 560 nF
15 – 18 x 19 x 11	820 nF
15 – 18 x 20 x 12	1 µF

Case Size	Voltage (VDC/VAC)
	630/310
22.5 – 26 x 14.5 x 6	39 nF – 470 nF
22.5 – 26 x 16 x 7	470 nF – 680 nF
22.5 – 26 x 16 x 8	820 nF
22.5 – 26 x 17 x 8.5	1 µF
22.5 – 26 x 18.5 x 10	1.2 µF
22.5 – 26 x 18.5 x 9	1.2 µF
22.5 – 26 x 20 x 11	1.5 µF – 1.8 µF
22.5 – 26 x 22 x 13	1.8 µF – 2.5 µF
22.5 – 26 x 24.5 x 15.5	2.5 µF – 3.3 µF
27.5 – 31.5 x 12.5 x 21	250 nF – 2.2 µF
27.5 – 31.5 x 16 x 27.5	2.5 µF – 3.9 µF
27.5 – 31.5 x 17 x 9	150 nF – 1.2 µF
27.5 – 31.5 x 19 x 31	3.9 µF – 4.7 µF
27.5 – 31.5 x 20 x 11	1.2 µF – 1.8 µF
27.5 – 31.5 x 25 x 13	2.2 µF – 3.3 µF
27.5 – 31.5 x 28 x 14	3.3 µF
27.5 – 31.5 x 28 x 17.5	3.9 µF – 4.7 µF
27.5 – 31.5 x 40 x 17	3.3 µF – 4.7 µF
37.5 – 41 x 15 x 24	4.7 µF
37.5 – 41 x 19 x 24	4.7 µF
37.5 – 41 x 24 x 13	4.7 µF
37.5 – 41 x 26 x 15	4.7 µF

X2 Class (cont.)

F862 Series, Metallized Polypropylene for Harsh Environmental Conditions, 310 VAC (Automotive Grade)

Capacitance Range: 0.047 to 4.7 µF • **Temperature Range:** −40°C to +110°C



F	862	B	C	104	M	310	Z
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Voltage (VAC)	Packaging
F = Film	X2, Metallized Polypropylene	B = 15 D = 22.5 F = 27.5	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	310	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	630/310
15 – 18 x 13.5 x 7.5	100 nF – 150 nF
15 – 18 x 14.5 x 8.5	220 nF
15 – 18 x 16 x 10	330 nF – 390 nF
15 – 18 x 19 x 11	470 nF
15 – 18 x 20 x 12	560 nF
22.5 – 26 x 14.5 x 6	150 nF
22.5 – 26 x 16 x 7	220 nF
22.5 – 26 x 17 x 8.5	330 nF – 390 nF
22.5 – 26 x 18.5 x 10	470 nF – 560 nF
22.5 – 26 x 20 x 11	680 nF – 820 nF
22.5 – 26 x 22 x 13	1 µF – 1.2 µF
27.5 – 31.5 x 20 x 11	1 µF
27.5 – 31.5 x 25 x 13	1.5 µF

X2 Class (cont.)

R46 Series, Metallized Polypropylene, 310 VAC

Capacitance Range: 0.01 to 10 µF • **Temperature Range:** −40°C to +110°C

R46	3	N	3150	00	01	M
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Packaging	Internal Use	Capacitance Tolerance
X2, Metallized Polypropylene	3 = 310	F = 10.0 I = 15.0 N = 22.5 R = 27.5 W = 37.5	The last three digits represent significant figures. The first digit specifies number of zeros to be added.	See Ordering Options Table	01 02 L2 M1 M2 N0 N1 N2	K = ±10% M = ±20%

Case Size	Voltage (VDC/VAC)
	630/310
10 – 13 x 11 x 5	33 nF – 47 nF
10 – 13 x 12 x 6	68 nF – 100 nF
10 – 13 x 9 x 4	10 nF – 22 nF
15 – 18 x 11 x 5	10 nF – 100 nF
15 – 18 x 12 x 13	330 nF
15 – 18 x 12 x 6	150 nF
15 – 18 x 12.5 x 9	150 nF – 220 nF
15 – 18 x 13.5 x 7.5	220 nF
15 – 18 x 14.5 x 8.5	330 nF
15 – 18 x 16 x 10	330 nF – 470 nF
15 – 18 x 17.5 x 6	220 nF

Case Size	Voltage (VDC/VAC)
	630/310
15 – 18 x 18.5 x 7.5	330 nF
15 – 18 x 19 x 11	470 nF – 600 nF
22.5 – 26.5 x 15 x 6	150 nF – 330 nF
22.5 – 26.5 x 16 x 7	470 nF
22.5 – 26.5 x 18.5 x 10	680 nF – 1 µF
22.5 – 26.5 x 20 x 11	1 µF
22.5 – 26.5 x 22 x 13	1.5 µF
27.5 – 32 x 17 x 9	470 nF – 680 nF
27.5 – 32 x 20 x 11	1 µF
27.5 – 32 x 22 x 13	1.5 µF
27.5 – 32 x 25 x 13	2.2 µF

Case Size	Voltage (VDC/VAC)
	630/310
27.5 – 32 x 28 x 14	2.2 µF
27.5 – 32 x 33 x 18	3.3 µF – 4.7 µF
27.5 – 32 x 37 x 22	4.7 µF
37.5 – 41.5 x 22 x 11	1.5 µF – 2.2 µF
37.5 – 41.5 x 24 x 13	2.2 µF
37.5 – 41.5 x 28.5 x 16	3.3 µF – 4.7 µF
37.5 – 41.5 x 32 x 19	4.7 µF
37.5 – 41.5 x 40 x 20	6.8 µF
37.5 – 41.5 x 44 x 24	6.8 µF
37.5 – 41.5 x 45 x 30	10 µF

X2 Class (cont.)

R47 Series, Metallized Polypropylene, 440 VAC (Automotive Grade)

Capacitance Range: 0.0047 to 2.2 µF • **Temperature Range:** −40°C to +110°C

R47	4	F	1470	00	01	M
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Packaging	Internal Use	Capacitance Tolerance
X2, Metallized Polypropylene	4 = 440	F = 10.0 I = 15.0 N = 22.5 R = 27.5 W = 37.5	The last three digits represent significant figures. The first digit specifies number of zeros to be added.	See Ordering Options Table	01 02 03	K = ±10% M = ±20%

Case Size	Voltage (VDC/VAC)
	1,000/440
10 – 13 x 11 x 5	6.8 nF
10 – 13 x 12 x 6	8.2 nF – 10 nF
10 – 13 x 9 x 4	4.7 nF
15 – 18 x 11 x 5	10 nF – 18 nF
15 – 18 x 12 x 13	68 nF
15 – 18 x 12 x 6	22 nF – 33 nF
15 – 18 x 12.5 x 9	47 nF
15 – 18 x 13.5 x 7.5	39 nF – 47 nF
15 – 18 x 14.5 x 8.5	56 nF
15 – 18 x 16 x 10	68 nF – 82 nF
15 – 18 x 17.5 x 6	47 nF

Case Size	Voltage (VDC/VAC)
	1,000/440
15 – 18 x 18.5 x 7.5	68 nF
15 – 18 x 19 x 11	100 nF
22.5 – 26.5 x 13.5 x 6.5	47 nF
22.5 – 26.5 x 15 x 6	47 nF – 68 nF
22.5 – 26.5 x 16 x 7	100 nF
22.5 – 26.5 x 17 x 8.5	120 nF
22.5 – 26.5 x 18.5 x 10	150 nF – 180 nF
22.5 – 26.5 x 20 x 11	220 nF
22.5 – 26.5 x 22 x 13	270 nF – 330 nF
27.5 – 32 x 17 x 9	150 nF – 270 nF
27.5 – 32 x 20 x 11	330 nF – 390 nF

Case Size	Voltage (VDC/VAC)
	1,000/440
27.5 – 32 x 22 x 13	470 nF – 560 nF
27.5 – 32 x 28 x 14	680 nF
27.5 – 32 x 33 x 18	820 nF – 1.2 µF
27.5 – 32 x 37 x 22	1.5 µF
37.5 – 41.5 x 22 x 11	470 nF – 560 nF
37.5 – 41.5 x 24 x 13	680 nF
37.5 – 41.5 x 28.5 x 16	820 nF – 1 µF
37.5 – 41.5 x 32 x 19	1.2 µF – 1.5 µF
37.5 – 41.5 x 40 x 20	1.8 µF – 2.2 µF

X2 Class (cont.)

R47 Series, Metallized Polypropylene, 520 VAC, 85ºC (Automotive Grade)

Capacitance Range: 0.0047 to 2.2 µF • **Temperature Range:** −40°C to +85°C

R47	5	I	2100	00	01	M
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Lead and Packaging Code	Internal Use	Capacitance Tolerance
X2, Metallized Polypropylene	5 = 520	F = 10.0 I = 15.0 N = 22.5 R = 27.5 W = 37.5	Digits two – four indicate the first three digits of the capacitance value. First digit indicates the number of zeros to be added.	See Ordering Options Table	01 02 03	K = ±10% M = ±20%

Case Size	Voltage (VDC/VAC)
	1,000/520
10 – 13 x 11 x 5	6.8 nF
10 – 13 x 12 x 6	8.2 nF – 10 nF
10 – 13 x 9 x 4	4.7 nF
15 – 18 x 11 x 5	10 nF – 18 nF
15 – 18 x 12 x 13	68 nF
15 – 18 x 12 x 6	22 nF – 33 nF
15 – 18 x 12.5 x 9	47 nF
15 – 18 x 13.5 x 7.5	39 nF – 47 nF
15 – 18 x 14.5 x 8.5	56 nF
15 – 18 x 16 x 10	68 nF – 82 nF
15 – 18 x 17.5 x 6	47 nF

Case Size	Voltage (VDC/VAC)
	1,000/520
15 – 18 x 18.5 x 7.5	68 nF
15 – 18 x 19 x 11	100 nF
22.5 – 26.5 x 13.5 x 6.5	47 nF
22.5 – 26.5 x 15 x 6	47 nF – 68 nF
22.5 – 26.5 x 16 x 7	100 nF
22.5 – 26.5 x 17 x 8.5	120 nF
22.5 – 26.5 x 18.5 x 10	150 nF – 180 nF
22.5 – 26.5 x 20 x 11	220 nF
22.5 – 26.5 x 22 x 13	270 nF – 330 nF
27.5 – 32 x 17 x 9	150 nF – 270 nF
27.5 – 32 x 20 x 11	330 nF – 390 nF

Case Size	Voltage (VDC/VAC)
	1,000/520
27.5 – 32 x 22 x 13	470 nF – 560 nF
27.5 – 32 x 28 x 14	680 nF
27.5 – 32 x 33 x 18	820 nF – 1.2 µF
27.5 – 32 x 37 x 22	1.5 µF
37.5 – 41.5 x 22 x 11	470 nF – 560 nF
37.5 – 41.5 x 24 x 13	680 nF
37.5 – 41.5 x 28.5 x 16	820 nF – 1 µF
37.5 – 41.5 x 32 x 19	1.2 µF – 1.5 µF
37.5 – 41.5 x 40 x 20	1.8 µF – 2.2 µF

X2 Class (cont.)

PME264 Series Metallized Impregnated Paper, 660 VAC

Capacitance Range: 0.001 to 0.1 µF • **Temperature Range:** −40°C to +85°C

Legacy Part Number System

PME264	N	B	5100	M	R30
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
X2, Metallized Paper	N = 660	B = 15.2 C = 20.3 E = 25.4	The last three digits represent significant figures. The first digit specifies the total number of digits.	M = ±20%	See Ordering Options Table

New KEMET Part Number System

P	264	Q	E	103	M	660	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	X2, Metallized Paper	Q = 15.2 C = 20.3 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	660 = 660	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,500/660
15.2 – 18.5 x 10.5 x 5.2	1 nF – 4.7 nF
15.2 – 18.5 x 13 x 7.3	6.8 nF – 10 nF
20.3 – 24 x 14 x 7.6	15 nF
20.3 – 24 x 15 x 9	22 nF
20.3 – 24 x 16.5 x 11.3	33 nF
25.4 – 30.5 x 17 x 10.5	47 nF
25.4 – 30.5 x 19 x 12.1	68 nF
25.4 – 30.5 x 22 x 15.3	100 nF

Y1 Class

Y1 Class

900 Series, Radial Disc, Encapsulated, AH Type, X1 400 VAC/Y1 250 VAC (Industrial Grade)

Capacitance Range: 2.0 pF to 4,700 pF • **Temperature Range:** −25°C to +125°C

C9	1	1	U	620	J	U	S	D	A	A	7317
Ceramic Series	Body Diameter	Lead Spacing[1]	Spec.	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Dielectric/ Temp. Char.	Design	Lead Config.[2]	Failure Rate	Packaging (C-Spec)
C9 = Ceramic 900 Series	0 = 7.0 mm 1 = 8.0 mm 2 = 9.0 mm 3 = 10.0 mm 4 = 11.0 mm 5 = 12.0 mm 7 = 14.0 mm	1 = 10.0 mm	U = Safety	Two significant digits and number of zeroes	J = ±5% K = ±10% M = ±10%	U = X1 400 VAC /Y1 250 VAC	S = SL Y = Y5P W = Y5U V = Y5V	D = Disc	A = Straight B = Vertical Kink C = Outside Kink	A = N/A	See "Packaging C-Spec Ordering Options Table" below

Case Size	Voltage			
	Y5V	SL	Y5P	Y5U
7	1 nF	15 pF – 39 pF	100 pF – 330 pF	
8	1.5 nF	47 pF – 62 pF	470 pF	1 nF
9	2.2 nF	68 pF – 82 pF	560 pF – 680 pF	1.5 nF
10		100 pF		2.2 nF
11	3.3 nF		1 nF	
12	4.7 nF			3.3 nF
13				3.9 nF
14				4.7 nF

Y1 Class (cont.)

KJN Series, Y5P, Y5U and Y5V Dielectric, Y1 250/400 VAC/X1 440 VAC

Capacitance Range: 100 pF to 4,700 pF • **Temperature Range:** −25°C to +125°C

KJN	331	K	Q	35		F	G
Series	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Size (mm)		Lead Spacing (mm)	Temperature Code
	2 significant digits + number of zeros	K = ±10% M = ±20%	Q = 440 VAC/X1, 250 VAC/Y1	28 = 7 31 = 8 35 = 9 39 = 10 43 = 11 47 = 12 51 = 13	55 = 14 59 = 15 63 = 16 67 = 17 71 = 18 79 = 20 87 = 22	F = 10 G = 12.5	A = Y5U or better B = Y5V G = Y5P

Case Size	Voltage		
	Y5V	Y5P	Y5U
9	1 nF – 1.5 nF	100 pF – 330 pF	1 nF
10	2.2 nF	470 pF – 560 pF	
11		680 pF	1.5 nF
12	3.3 nF		
13	3.9 nF		2.2 nF
14	4.7 nF		3.3 nF
15			3.9 nF
16			4.7 nF

250 VAC

Case Size	Voltage		
	Y5V	Y5P	Y5U
9	1 nF – 1.5 nF	100 pF – 470 pF	1 nF
10	2.2 nF	560 pF – 680 pF	
11			1.5 nF
12	3.3 nF		2.2 nF
13	3.9 nF – 4.7 nF		
14			3.3 nF
15			3.9 nF – 4.7 nF

Y1 Class (cont.)

900 Series, Radial Disc, Encapsulated, AH Type, X1 400 VAC/Y1 400 VAC (Industrial Grade)

Capacitance Range: 2.0 pF to 4,700 pF • **Temperature Range:** −25°C to +125°C

C9	3	1	U	101	J	V	S	D	A	A	7317
Ceramic Series	Body Diameter	Lead Spacing[1]	Spec.	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Dielectric/ Temp. Char.	Design	Lead Config.[2]	Failure Rate	Packaging (C-Spec)
C9 = Ceramic 900 Series	0 = 7.0 mm 1 = 8.0 mm 2 = 9.0 mm 3 = 10.0 mm 4 = 11.0 mm 5 = 12.0 mm 6 = 13.0 mm 7 = 14.0 mm	1 = 10.0 mm	U = Safety	Two significant digits and number of zeroes	J = ±5% K = ±10% M = ±20%	V = X1 400 VAC /Y1 400 VAC	S = SL Y = Y5P W = Y5U V = Y5V	D = Disc	A = Straight B = Vertical Kink C = Outside Kink	A = N/A	See "Packaging C-Spec Ordering Options Table" below

Case Size	Voltage			
	Y5V	SL	Y5P	Y5U
7	1 nF	15 pF – 39 pF	100 pF – 330 pF	
8	1.5 nF	47 pF – 62 pF	470 pF	1 nF
9	2.2 nF	68 pF – 82 pF	560 pF – 680 pF	1.5 nF
10		100 pF		2.2 nF
11	3.3 nF		1 nF	
12	4.7 nF			3.3 nF
13				3.9 nF
14				4.7 nF

Y1 Class (cont.)

PME295 Series Metallized Impregnated Paper, 440 VAC/480 VAC

Capacitance Range: 470 to 4,700 pF • **Temperature Range:** −40°C to +115°C

Legacy Part Number System

PME295	R	B	3470	M	R30
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
Y1, Metallized Paper	R = 440	B = 15.0	The last three digits represent significant figures. The first digit specifies the total number of digits.	M = ±20%	See Ordering Options Table

New KEMET Part Number System

P	295	B	E	471	M	440	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	Y1, Metallized Paper	B = 15.0	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	440 = 440	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,500/480
15 – 18 x 12.5 x 5.5	0.47 nF – 1 nF
15 – 18 x 12.5 x 6.5	1.2 nF – 2.2 nF
15 – 18 x 14.5 x 7.5	2.5 nF – 3.3 nF
15 – 18 x 16 x 8.5	3.9 nF – 4.7 nF

Y1 Class (cont.)

900 Series, Radial Disc, Encapsulated, AS Type, X1 760 VAC/Y1 500 VAC (Industrial Grade)

Capacitance Range: 2,200 pF • **Temperature Range:** −25°C to +125°C

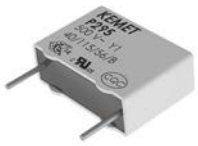
C9	6	1	U	222	M	W	W	D	A	A	7317
Ceramic Series	Body Diameter	Lead Spacing[1]	Spec.	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Dielectric/ Temp. Char.	Design	Lead Config.[1]	Failure Rate	Packaging (C-Spec)
C9 = Ceramic 900 Series	1 = 8.0 mm 2 = 9.0 mm 3 = 10.0 mm 5 = 12.0 mm 6 = 13.0 mm 7 = 14.0 mm 8 = 15.0 mm	1 = 10.0 mm	U = Safety	Two significant digits and number of zeroes	K = ±10% M = ±20%	W = X1 760 VAC /Y1 500 VAC	W = Y5U	D = Disc	A = Straight B = Vertical Kink C = Outside Kink	A = N/A	See "Packaging C-Spec Ordering Options Table" below

Case Size	Voltage	
	Y5P	Y5U
8	100 pF – 330 pF	
9	470 pF	1 nF
10	560 pF – 680 pF	1.5 nF
12	1 nF	
13		2.2 nF – 3.3 nF
14		3.9 nF
15		4.7 nF

Y1 Class (cont.)

P295 Series Metallized Impregnated Paper, 500 VAC

Capacitance Range: 470 to 4,700 pF • **Temperature Range:** −40°C to +115°C



P	295	B	E	471	M	500	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	Y1, Metallized Paper	B = 15.0	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	500 = 500	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,500/500
15 – 18 x 12.5 x 5.5	0.47 nF – 1 nF
15 – 18 x 12.5 x 6.5	1.2 nF – 2.2 nF
15 – 18 x 14.5 x 7.5	2.5 nF – 3.3 nF
15 – 18 x 16 x 8.5	3.9 nF – 4.7 nF

Y1 Class (cont.)

P295 Series Metallized Impregnated Paper, 500 VAC

Capacitance Range: 470 to 4,700 pF • **Temperature Range:** −40°C to +115°C

P	295	B	E	471	M	500	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	Y1, Metallized Paper	B = 15.0	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	500 = 500	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,500/500
15 – 18 x 12.5 x 5.5	0.47 nF – 1 nF
15 – 18 x 12.5 x 6.5	1.2 nF – 2.2 nF
15 – 18 x 14.5 x 7.5	2.5 nF – 3.3 nF
15 – 18 x 16 x 8.5	3.9 nF – 4.7 nF

Y2 Class

Y2 Class

SMP253 Series Metallized Impregnated Paper, 250 VAC

Capacitance Range: 1,000 to 4,700 pF • **Temperature Range:** −40°C to +100°C

Legacy Part Number System

SMP253	M	A	4100	M	TR24
Series	Rated Voltage (VAC)	Chip Length (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
Y2, Metallized Paper	M = 250	A = 12.7	The last three digits represent significant figures. The first digit specifies the total number of digits.	M = ±20%	See Ordering Options Table

New KEMET Part Number System

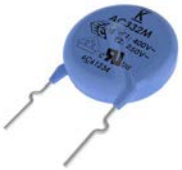
P	101	AA	102	M	250	V
Capacitor Class	Series	Chip Size	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	Y2, Metallized Paper	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	250 = 250	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	250/250
5045	1 nF – 4.7 nF

Y2 Class (cont.)

900 Series, Radial Disc, Encapsulated, AC Type, X1 400 VAC/Y2 250 VAC (Industrial Grade)

Capacitance Range: 2 pF to 10,000 pF • **Temperature Range:** −40°C to +125°C



C9	1	1	U	620	J	U	S	D	A	A	7317
Ceramic Series	Body Diameter	Lead Spacing[1]	Spec.	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Dielectric/ Temp. Char.	Design	Lead Config.[2]	Failure Rate	Packaging (C-Spec)
C9 = Ceramic 900 Series	0 = 7.0 mm 1 = 8.0 mm 2 = 9.0 mm 3 = 10.0 mm 4 = 11.0 mm 5 = 12.0 mm 7 = 14.0 mm	1 = 10.0 mm	U = Safety	Two significant digits and number of zeroes	J = ±5% K = ±10% M = ±10%	U = X1 400 VAC /Y1 250 VAC	S = SL Y = Y5P W = Y5U V = Y5V	D = Disc	A = Straight B = Vertical Kink C = Outside Kink	A = N/A	See "Packaging C-Spec Ordering Options Table" below

Case Size	Voltage			
	Y5V	SL	Y5P	Y5U
7	1 nF – 2.2 nF	10 pF – 51 pF	100 pF – 470 pF	1 nF
8		56 pF – 75 pF	560 pF – 680 pF	
9	3.3 nF	82 pF	820 pF – 1 nF	1.5 nF – 2.2 nF
10		100 pF		
11	3.9 nF – 4.7 nF			3.3 nF
13	6.8 nF			3.9 nF – 4.7 nF
15	0.01 µF			

Y2 Class (cont.)

ERO610 Series, Radial AC Type, X1 440 VAC/Y2 250 VAC

Capacitance Range: 1,000 pF to 12,000 pF • **Temperature Range:** −40°C to +125°C

ERO610	T	102	M	CF0
Ceramic Series	Voltage Rating (Safety Subclass Rating)	Capacitance Code (pF)	Capacitance Tolerance	Lead configuration / Packaging Code
ERO610	T = X1 440 VAC/Y2 250 VAC	Two significant digits andw Number of zeroes	M = ±20%	*See Packaging Options

Case Size	Voltage
	Y5U
6.5	1 nF
8	1.5 nF – 1.8 nF
9	2.2 nF – 2.5 nF
10	3.3 nF
12	4.7 nF – 5 nF
17	6.8 nF – 8.2 nF
21	0.01 µF – 0.012 µF

Y2 Class (cont.)

KJY Series, Y5P, Y5U & Y5V Dielectric, Y2 250 VAC/X1 400 VAC

Capacitance Range: 100 pF to 10,000 pF • **Temperature Range:** −25°C to +125°C

KJY	102	M	R	31		F	A
Series	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Size (mm)		Lead Spacing (mm)	Temperature Code
	Two significant digits and number of zeros	K = ±10% M = ±20%	R = 400 VAC/X1, 250 VAC/Y2	28 = 7 31 = 8 35 = 9 39 = 10 43 = 11 47 = 12 51 = 13	55 = 14 59 = 15 63 = 16 67 = 17 71 = 18 79 = 20 87 = 22	F = 10 G = 12.5	A = Y5U or better B = Y5V G = Y5P

Case Size	Voltage		
	Y5V	Y5P	Y5U
8	1 nF – 1.5 nF	100 pF – 470 pF	1 nF
9	2.2 nF	560 pF – 680 pF	1.5 nF
10	3.3 nF	1 nF	2.2 nF
11	3.9 nF		2.5 nF
12	4.7 nF		3.3 nF
13			3.9 nF
14			4.7 nF
16	0.01 µF		

Y2 Class (cont.)

PME271Y Series Metallized Impregnated Paper, 250 VAC

Capacitance Range: 0.001 to 0.1 µF • **Temperature Range:** −40°C to +100°C

Legacy Part Number System

PME271	Y	410	M	R30
Series	Rated Voltage (VAC)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
Y2, Metallized Paper	Y = 250	The last two digits represent significant figures. The first digit specifies the total number of digits.	M = ±20%	See Ordering Options Table

New KEMET Part Number System

P	271	H	E	102	M	250	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Lead and Packaging Code
P = Paper	Y2, Metallized Paper	H = 10.2 Q = 15.2 C = 20.3 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	250 = 250	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,000/250
10.2 – 13.5 x 10.5 x 5.1	4.7 nF
10.2 – 13.5 x 7.5 x 3.9	1 nF – 2.2 nF
10.2 – 13.5 x 8.2 x 4.1	3.3 nF
15.2 – 18.5 x 10.5 x 5.2	6.8 nF – 10 nF
15.2 – 18.5 x 11 x 5.5	15 nF
15.2 – 18.5 x 13 x 7.3	22 nF
20.3 – 24 x 14 x 7.6	33 nF
20.3 – 24 x 15 x 9	47 nF
20.3 – 24 x 16.5 x 11.3	68 nF
25.4 – 30.5 x 19 x 12.1	100 nF

Y2 Class (cont.)

900 Series, Radial Disc, Encapsulated, AC Type, X1 440 VAC/Y2 300 VAC (Industrial Grade)

Capacitance Range: 2 pF to 10,000 pF • **Temperature Range:** −40°C to +125°C

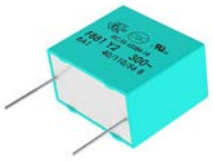
C9	7	1	U	472	M	Z	W	D	A	A	7317
Ceramic Series	Body Diameter	Lead Spacing[1,2,4]	Spec.	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage	Dielectric/ Temp. Char.	Design	Lead Config.[1,3,4]	Failure Rate	Packaging (C-Spec)
C9 = Ceramic 900 Series	0 = 7.0 mm 1 = 8.0 mm 2 = 9.0 mm 3 = 10.0 mm 4 = 11.0 mm 6 = 13.0 mm 8 = 15.0 mm	7 = 7.5 mm 1 = 10.0 mm	U = Safety	Two significant digits and number of zeroes	J = ±5% K = ±10% M = ±20%	Z = X1 440 VAC /Y2 300 VAC	S = SL Y = Y5P W = Y5U V = Y5V	D = Disc	A = Straight B = Vertical Kink C = Outside Kink D = Inside Kink	A = N/A	See "Packaging C-Spec Ordering Options Table" below

Case Size	Voltage			
	Y5V	SL	Y5P	Y5U
7	1 nF – 2.2 nF	10 pF – 51 pF	100 pF – 470 pF	1 nF
8		56 pF – 75 pF	560 pF – 680 pF	
9	3.3 nF	82 pF	820 pF – 1 nF	1.5 nF – 2.2 nF
10		100 pF		
11	3.9 nF – 4.7 nF			3.3 nF
13	6.8 nF			3.9 nF – 4.7 nF
15	0.01 µF			

Y2 Class (cont.)

F881 Series, Halogen Free, Metallized Polypropylene, 300 VAC

Capacitance Range: 0.01 to 1.0 µF • **Temperature Range:** −40°C to +110°C



F	881	B	C	103	M	300	C
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Voltage (VAC)	Packaging
F = Film	Y2, Metallized Polypropylene	K = 7.5 A = 10 B = 15 D = 22.5 F = 27.5 R = 37.5	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	K = ±10% M = ±20%	300	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,000/300
7.5 – 10 x 10.5 x 5	2.5 nF – 3.9 nF
7.5 – 10 x 8 x 3	1 nF
7.5 – 10 x 8 x 4	1.2 nF – 1.5 nF
7.5 – 10 x 9 x 4	1.8 nF – 2.2 nF
7.5 – 10.5 x 12 x 6	3.9 nF – 5.6 nF
10 – 13 x 11 x 5	3.3 nF – 4.7 nF
10 – 13 x 12 x 6	5.6 nF – 6.8 nF
10 – 13 x 17 x 7	8.2 nF – 10 nF
10 – 13 x 7.5 x 9.5	1.8 nF – 6.8 nF
10 – 13 x 8 x 4	1 nF – 2.2 nF
10 – 13 x 9 x 4	2.5 nF – 2.7 nF
15 – 18 x 10 x 4	2.7 nF – 10 nF
15 – 18 x 11 x 5	10 nF – 15 nF
15 – 18 x 12 x 13	25 nF – 56 nF
15 – 18 x 12 x 6	22 nF
15 – 18 x 12.5 x 5.5	15 nF – 18 nF
15 – 18 x 12.5 x 9	15 nF – 39 nF
15 – 18 x 13.5 x 7.5	25 nF – 27 nF
15 – 18 x 14.5 x 8.5	39 nF – 47 nF
15 – 18 x 16 x 10	47 nF – 56 nF
15 – 18 x 17.5 x 6	25 nF – 39 nF
15 – 18 x 18.5 x 7.5	33 nF – 56 nF
15 – 18 x 19 x 11	68 nF – 82 nF
15 – 18 x 20 x 12	82 nF
22.5 – 26 x 14.5 x 6	39 nF – 56 nF

Case Size	Voltage (VDC/VAC)
	1,000/300
22.5 – 26 x 16 x 7	56 nF – 82 nF
22.5 – 26 x 16 x 8	82 nF – 100 nF
22.5 – 26 x 17 x 8.5	100 nF – 120 nF
22.5 – 26 x 18.5 x 10	150 nF
22.5 – 26 x 18.5 x 9	120 nF
22.5 – 26 x 20 x 11	180 nF – 220 nF
22.5 – 26 x 22 x 13	220 nF – 270 nF
22.5 – 26 x 24.5 x 15.5	330 nF – 390 nF
27.5 – 31.5 x 12.5 x 21	220 nF – 330 nF
27.5 – 31.5 x 16 x 27.5	390 nF – 470 nF
27.5 – 31.5 x 17 x 9	100 nF – 150 nF
27.5 – 31.5 x 19 x 31	560 nF – 820 nF
27.5 – 31.5 x 20 x 11	180 nF – 270 nF
27.5 – 31.5 x 25 x 13	270 nF – 390 nF
27.5 – 31.5 x 28 x 14	560 nF
27.5 – 31.5 x 28 x 17.5	470 nF – 680 nF
27.5 – 31.5 x 37 x 22	820 nF – 1 µF
27.5 – 31.5 x 40 x 17	680 nF – 820 nF
37.5 – 41 x 15 x 24	470 nF – 560 nF
37.5 – 41 x 19 x 24	680 nF – 1 µF
37.5 – 41 x 22 x 11	330 nF – 390 nF
37.5 – 41 x 24 x 13	470 nF
37.5 – 41 x 26 x 15	560 nF – 820 nF
37.5 – 41 x 32 x 19	1 µF

Y2 Class (cont.)

PME271Y A–E Series Metallized Impregnated Paper, 300 VAC

Capacitance Range: 0.001 to 0.15 µF • **Temperature Range:** −40°C to +115°C

Legacy Part Number System

PME271	Y	A	4100	M	R30
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
Y2, Metallized Paper	Y = 300	A = 10.2 B = 15.2 C = 20.3 D = 22.5 E = 25.4	The last three digits represent significant figures. The first digit specifies the total number of digits.	M = ±20% (for C ≤ 0.1 µF) K = ±10% (for C > 0.1 µF)	See Ordering Options Table

New KEMET Part Number System

P	272	H	E	102	M	300	A
Capacitor Class	Series	Lead Spacing (mm)	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging
P = Paper	Y2, Metallized Paper	H = 10.2 Q = 15.2 C = 20.3 D = 22.5 E = 25.4	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20% (for C ≤ 0.1 µF) K = ±10% (for C > 0.1 µF)	300 = 300	See Ordering Options Table

Case Size	Voltage (VDC/VAC)
	1,000/300
10.2 – 13.5 x 10.5 x 5.1	4.7 nF
10.2 – 13.5 x 7.5 x 3.9	1 nF – 2.2 nF
10.2 – 13.5 x 8.2 x 4.1	2.5 nF – 3.3 nF
15.2 – 18.5 x 10.5 x 5.2	6.8 nF – 10 nF
15.2 – 18.5 x 11 x 5.5	15 nF
15.2 – 18.5 x 13 x 7.3	22 nF
20.3 – 24 x 14 x 7.6	33 nF
20.3 – 24 x 15 x 9	47 nF
20.3 – 24 x 16.5 x 11.3	68 nF
25.4 – 30.5 x 19 x 12.1	100 nF
25.4 – 30.5 x 22 x 15.3	150 nF

Y2 Class (cont.)

R41 Series, Metallized Polypropylene, 300 VAC (Automotive Grade)

Capacitance Range: 0.001 to 1 µF • **Temperature Range:** −40°C to +110°C

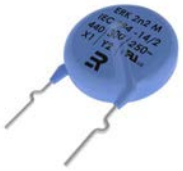
R41	3	I	2330	00	M1	M
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Packaging	Internal Use	Capacitance Tolerance
Y2, Metallized Polypropylene	3 = 300	F = 10.0 I = 15.0 N = 22.5 R = 27.5 W = 37.5	The last three digits represent significant figures. The first digit specifies number of zeros to be added.	See Ordering Options Table	00 M1	K = ±10% M = ±20%

Case Size	Voltage (VDC/VAC)	
	300 VAC	1,000/300
10 – 13 x 11 x 5		4.7 nF
10 – 13 x 12 x 6		6.8 nF
10 – 13 x 9 x 4		1 nF – 3.3 nF
15 – 18 x 11 x 5		3.3 nF – 15 nF
15 – 18 x 12 x 6		22 nF
15 – 18 x 14.5 x 8.5		47 nF
15 – 18 x 19 x 11		68 nF
15 – 18 x 13.5 x 7.5	33 nF	
22.5 – 26.5 x 15 x 6		47 nF – 68 nF
22.5 – 26.5 x 16 x 7		68 nF
22.5 – 26.5 x 17 x 8.5		100 nF
22.5 – 26.5 x 18.5 x 10		150 nF
22.5 – 26.5 x 22 x 13	220 nF	220 nF
27.5 – 32 x 22 x 13		220 nF
27.5 – 32 x 28 x 14	330 nF	330 nF
27.5 – 32 x 33 x 18	470 nF – 680 nF	470 nF – 680 nF
37.5 – 41.5 x 24 x 13		470 nF
37.5 – 41.5 x 28.5 x 16		680 nF
37.5 – 41.5 x 40 x 20		1 µF

Y2 Class (cont.)

ERK610 Series, Radial AC Type, X1 440 VAC/Y2 300 VAC

Capacitance Range: 33 pF to 4,700 pF • **Temperature Range:** −40°C to +125°C



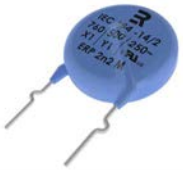
ERK610	Z	102	K	CF0
Ceramic Series	Voltage Rating (Safety Subclass Rating)	Capacitance Code (pF)	Capacitance Tolerance	Lead configuration/ Packaging Code
ERK610	Z = X1 440 VAC/Y2 300 VAC	Two significant digits and Number of zeroes	K = ±10% M = ±20%	*See Packaging Options

Case Size	Voltage			
	U2J	Y5S	Y5T	Y5U
7				1 nF
8	33 pF – 47 pF	68 pF – 100 pF	150 pF – 330 pF	470 pF – 1.5 nF
9				680 pF
10				2.2 nF
12				3.3 nF
13.5				3.9 nF – 4.7 nF

Y2 Class (cont.)

ERP610 Series, Radial AC Type, X1 760 VAC/Y2 500 VAC

Capacitance Range: 33 pF to 4,700 pF • **Temperature Range:** −40°C to +125°C



ERP610	W	102	M	DF0
Ceramic Series	Voltage Rating (Safety Subclass Rating)	Capacitance Code (pF)	Capacitance Tolerance	Lead configuration / Packaging Code
ERP610	W = X1 760 VAC/Y1 500 VAC	Two significant digits and Number of zeroes	K = ±10% M = ±20%	*See Packaging Options

Case Size	Voltage			
	U2J	Y5S	Y5T	Y5U
8	33 pF	47 pF – 100 pF	150 pF – 220 pF	330 pF – 680 pF
9				1 nF
10				1.5 nF
12				2.2 nF
13				2.7 nF
15				3.3 nF – 3.9 nF
17				4.7 nF

Multiple X & Y

Multiple X & Y

PMZ2074 Series Metallized Impregnated Paper, 275 VAC 2x X2 with One Common Terminal

Capacitance Range: 0.15 µF + 0.033 µF, 0.15 µF + 0.047 µF, 0.15 µF + 0.068 µF, 0.22 µF + 0.082 µF, 0.22 µF + 0.1 µF

Temperature Range: −40°C to +110°C

Legacy Part Number System

PMZ2074	M	C	615	M	533	M	R30
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Capacitance Code (pF)	Internal Use	Packaging
Double Capacitor X2, Metallized Paper	M = 275	C = 20.3	The last two digits represent significant figures. The first digit specifies the total number of digits.	K = ±10% M = ±20%	The last two digits represent significant figures. The first digit specifies the total number of digits.	M (Standard)	See Ordering Options Table

New KEMET Part Number System

P	374	C	L	154	M	275	A	C333
Capacitor Class	Series	Lead Spacing (mm)	Size Code	X Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging	Y Capacitance Code
P = Paper	Double Capacitor X2, Metallized Paper	C = 20.3	See Dimension Table	First two digits indicate the two most significant digits of the capacitance value in picofarads. The third digit is the number of following zeros.	M = ±20%	275 = 275	See Ordering Options Table	C plus first two digits represent significant figures. Third digit specifies number of zeros.

Case Size	Voltage (VDC/VAC)
	630/275
20.3 – 24 x 16 x 12.5	150 nF
20.3 – 24 x 18 x 14	220 nF

Multiple X & Y (cont.)

PZB300 Series Metallized Impregnated Paper, 275 VAC Delta Configuration X2 + 2x Y2

Capacitance Range: X Value 0.1 µF and 0.15 µF, Y Value 0.0022 µF, 0.0033 µF and 0.0047 µF • **Temperature Range:** −40°C to +100°C

Legacy Part Number System

PZB300	M	C	11	R30
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Packaging
Delta EMI, X2 + 2x Y2, Metallized Paper	M = 275	C = 20.0	The first digit indicates the value of the X capacitor: 1 = 0.10 µF 2 = 0.15 µF The second digit indicates the value of the Y capacitor: 1 = 0.0022 µF 2 = 0.0033 µF 3 = 0.0047 µF	See Ordering Options Table

New KEMET Part Number System

P	300	P	L	104	M	275	A	C222
Capacitor Class	Series	Lead Spacing (mm)	Size Code	X Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging	Y Capacitance Code
P = Paper	Delta EMI, X2 + 2x Y2, Metallized Paper	P = 20	See Dimension Table	First two digits indicate the two most significant digits of the capacitance value in picofarads. The third digit is the number of following zeros.	M = ±20%	275 = 275	See Ordering Options Table	C plus first two digits represent significant figures. Third digit specifies number of zeros.

Case Size	Voltage
	275 VAC
20 – 24 x 16 x 12.5	100 nF – 150 nF

Multiple X & Y (cont.)

PHZ9004 Series Metallized Polypropylene Film, 300 VAC 3x X2 with Separate Terminals for Three-Phase Filtering

Capacitance Range: 3 x 1.0 µF • **Temperature Range:** −55°C to +105°C

Legacy Part Number System

PHZ9004	E	F	7100	M	R06L2
Series	Rated Voltage (VAC)	Lead Spacing (mm)	Capacitance Code (pF)	Capacitance Tolerance	Packaging
Triple Capacitor X2, Metallized Polypropylene	E = 300	F = 27.5	The last three digits represent significant figures. The first digit specifies the total number of digits.	M = ±20%	See Ordering Options Table

New KEMET Part Number System

9004	AA	105	M	300	C	DECT	V680
Capacitor Class	Size Code	Capacitance Code (pF)	Capacitance Tolerance	Rated Voltage (VAC)	Packaging	C-Spec	V-Spec
Triple Capacitor X2, Metallized Polypropylene	See Dimension Table	First two digits represent significant figures. Third digit specifies number of zeros.	M = ±20%	300 = 300	See Ordering Options Table	Optional additional characters at KEMET's option.	Part Number specific version code

Case Size	Voltage
	300 VAC
27.5 – 64 x 11.5 x 30	1 µF

Related Products

Electronic Components
KEMET
CHARGED.

AC Line Filters

Features & Benefits

- Industry's highest standard, high-permeability core results in a high degree of characterization
- Optimized design for compact size, low profile and light weight
- Split and non-split bobbin design for strong inductance/impedance/frequency characteristics
- Different form factors available

Product Checklist

- What is the type of choke is required, common or normal mode?
- What is the material and shape of the core?
- What is the rated current (A)?
- What is the inductance value (mH)?
- What is the DC resistance (mΩ)?
- What is the wire diameter value?
- What is the operating temperature range?
- What is the maximum temperature rise?
- What is the mounting type, vertical or horizontal?

www.kemet.com/aclinefilters

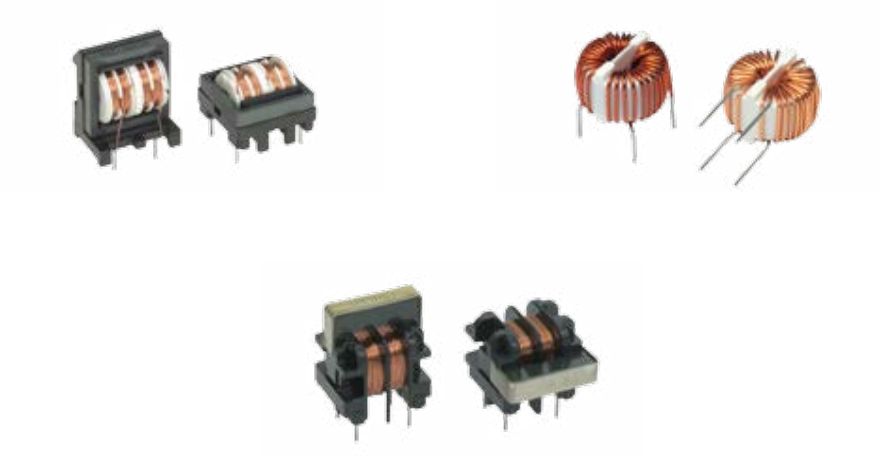
Applications

Common mode chokes for the following applications. Normal mode and HF chokes are non-standard and available by request only:

- Audio-visual equipment
- Office automation equipment
- Digital appliances
- Power supply devices
- Power conditioners
- Air conditioners

Ordering Information

Series	Rated Current (A)	Inductance (mH)	Type
SC	02	101	xx
	02 = 2.0	100 = 1.0	



AC Line Filters (cont.)

Electrical/Physical Characteristics

Mode	Series	Core Material	Core Shape	Rated Current (A)	Inductance (mH)	DC Resistance (mΩ)
Common	SC Standard	MnZn	Toroidal	2 – 30	1 – 8	6 – 110
Common	SCR	MnZn	Toroidal	2 – 5	7 – 35	47 – 200
Common	SC-J	MnZn	Toroidal	2 – 18	0.5 – 8	7 – 120
Common	SC-GJ	MnZn	Toroidal	2 – 3	0.6 – 3	100 – 300
Common	SC-JV	MnZn	Toroidal	2 – 5	15 – 44	100 – 300
Common	SC-JS	MnZn	Toroidal	2 – 3	0.8 – 1.5	80 – 120
Common	SC-JH	MnZn	Toroidal	10 – 20	1 – 2	8 – 22
Common	SC-G/GS	MnZn	Toroidal	1 – 3	0.5 – 15	30 – 450
Common	SCF	Nanocrystalline	Toroidal	1.1 – 5	3.5 – 50	35 – 390
Common	SC-D	NiZn	Toroidal	2 – 20	0.01 – 0.1	8 – 70
Common	SU 7 VC	MnZn	UU	0.2 – 1.2	0.25 – 12	160 – 6,500
Common	SU 10 VFC-R	MnZn	UU	0.3 – 2	1 – 37	150 – 4,200
Common	SU 9 V/9 H	MnZn	UU	0.1 – 1	0.5 – 10	300 – 8,000
Common	SU 9 V/9 H-R	MnZn	UU	0.1 – 1	0.8 – 18	300 – 8,000
Common	SU 9 VF/9 HF	MnZn	UU	0.2 – 0.7	1.5 – 10	440 – 4,000
Common	SU 9 VD	NiZn	UU	0.7	0.01 – 0.04	100 – 180
Common	SU 10 VD	NiZn	UU	1 – 2	0.01 – 0.08	100 – 200
Common	SU 16 VD	NiZn	UU	3 – 4	0.01 – 0.05	40 – 80
Common	SS 11 VL	MnZn	Rectangular	0.3 – 3	-	-
Common	SS 11 V-CH/H-CH	MnZn	Rectangular	0.3 – 3	0.6 – 55	63 – 4,100
Common	SS 20 H	MnZn	Rectangular	0.3 – 2	1.8 – 51	110 – 3,200
Common	SS 21 V	MnZn	Rectangular	0.3 – 3	0.8 – 93	70 – 5,900
Common	SS 24 V-CH/H-CH	MnZn	Rectangular	0.5 – 2	2.5 – 35	170 – 1,750
Common	SS 26 V	MnZn	Rectangular	0.5 – 3	2.8 – 88	100 – 2,400
Common	SS 28 V-CH/28 H-CH	MnZn	Rectangular	0.8 – 2.5	4.5 – 35	160 – 9,50
Common	SS 30 V	MnZn	Rectangular	0.8 – 4.5	1.3 – 73	60 – 1,500
Common	SS 35 V/35 H	MnZn	Rectangular	1.5 – 4.5	2.2 – 30	60 – 480
Common	SS 38 V	MnZn	Rectangular	3.5 – 4.3	3.8 – 7.3	110 – 150
Common	SS 11 VL-R	MnZn	Rectangular	0.3 – 3	0.9 – 82	60 – 4,100
Common	SS 17 HB	MnZn	Rectangular	0.3 – 1.7	0.8 – 30	120 – 2,600
Common	SS 17 VA/HA	MnZn	Rectangular	0.3 – 1.7	0.5 – 20	120 – 2,600
Common	SS 11 V/H-R-CH	MnZn	Rectangular	0.3 – 3	0.9 – 82	63 – 4,100
Common	SS 20 H-R	MnZn	Rectangular	0.3 – 2	2.3 – 66	110 – 3,200
Common	SS 21 V-R	MnZn	Rectangular	0.3 – 3	1.3 – 138	70 – 5,900
Common	SS 24 V-K-CH/24 H-K-CH	MnZn	Rectangular	0.5 – 2	4 – 57	170 – 1,750
Common	SS 24 V-R-CH/24 H-R-CH	MnZn	Rectangular	0.5 – 2	4.5 – 60	170 – 1,750
Common	SS 26 V-R	MnZn	Rectangular	0.5 – 3	3.8 – 117	100 – 2,400
Common	SS 28 V-K-CH/28 H-K-CH	MnZn	Rectangular	0.8 – 2.5	7.5 – 53	160 – 950
Common	SS 28 V-R-CH/28 H-R-CH	MnZn	Rectangular	0.8 – 2.5	8 – 60	160 – 950
Common	SS 30 V-R	MnZn	Rectangular	0.8 – 4.5	1.7 – 96	60 – 1,500
Common	SSB 11 V/H-R	MnZn	Rectangular	1.3 – 1.7	4.3 – 9	180 – 380
Common	SSB 28 V/28 H	MnZn	Rectangular	0.8 – 2.5	4.5 – 35	160 – 950
Common	SSB 28 V-R/28 H-R	MnZn	Rectangular	0.8 – 2.5	8 – 60	160 – 950
Common	SHB	Sendust	Toroidal	2 – 30	0.044 – 1.64	7 – 450

Related Products

Electronic Components
KEMET
CHARGED.

EMI Cores

Features & Benefits

- Flat, round and snail versions
- Split versions for post-production attachment
- Broad range by simply adding turns

Product Checklist

- What frequency range is the target, AM or FM?
- What kind of cables are being used?
- Do you worry about damage to cable covering and insulation?
- Would you like to retrofit the core?
- When do you want to fix the core?

www.kemet.com/emicores

Applications

- FM frequency in MHz range filtering with NiZn
- AM frequency in kHz range filtering with MnZn
- According EMI standards IEC, CISPR, ECE and regional FCC, EN, VCCI

Electrical/Physical Characteristics

Product Family			Series Name	Family	Material	Outer Diameter (mm)	Inner Diameter (mm)	Height (mm)
Solid	For Round Cables	Bare type	Toroidal Cores	ESD-R	MnZn & NiZn	9.5 – 38.1	5.0 – 19.0	3.0 – 28.5
		Coated type	Toroidal Cores	ESD-R	MnZn & NiZn	12.0 – 32.0	6.2 – 19.0	3.0 – 28.8
		With case	Toroidal Cores	ESD-R	MnZn & NiZn	12.9 – 61.0	6.0 – 32.4	6.4 – 24.0
		With snail-shaped case	Toroidal Cores	ESD-R-B	MnZn & NiZn	21.5 – 51.5	8.8 – 25.5	13.0 – 17.5
		With high heat resistance & cable holding mechanism	Toroidal Cores	ESD-R-H	MnZn	52.5	22.7	8.5
	For Flat Cables	Bare type	Solid Cores	ESD-FPL	NiZn	14.5 – 80.0	0.55 – 2.2	2.75 – 12.0
Split	For Round Cables	With case	Snap-on Cores	ESD-SR	NiZn		Ø6 – Ø14.5	
		With high heat resistance & cable holding mechanism	Snap-on Cores for Round Cables	ESD-SR-H	NiZn		Ø9 – Ø13	
	For Flat Cables	With metal clamp	Split Cores	ESD-FPD	NiZn	37.0 – 80.0	2.0 – 2.6	10
		With plastic	Split Cores	ESD-FPD-1	NiZn	37.0 – 80.0	2.0 – 2.6	10
Bead	Single piece core		Bead Cores	B-20	MnZn & NiZn	2.8 – 9.7	0.8 – 4.8	1.2 – 8.0

Flex Suppressor® Sheets

Features & Benefits

- Halogen-free
- Reduced service hours with high temperature
- High magnetic permeability
- Low magnetic loss (μ'')
- Ultra-thin flexible sheet available on roll format
- Manufactured in a variety of shapes/sizes
- Ideal for use in portable equipment and a wide variety of applications
- Resonance suppression controls the high frequency current and suppresses unwanted electromagnetic resonance by creating impedance
- Suppresses the electromagnetic wave intruding the sheet by the magnetic loss of its composition
- Improves communication range of RFID

Product Checklist

- Does your product require protection against EMI or noise interferences?
- Does your product require protection against ESD?
- Does your RFID product require shielding to improve signal transmission and receiving?

www.kemet.com/flexsuppressors

Applications

Flex suppressors are flexible, polymer sheets with micro-magnetic foils used to attenuate or suppress electromagnetic and radio frequency interferences (EMI/RFI) generated by electronic devices. It can also be used to improve signal transmissions and receptions.

Any type of electronic equipment or component exposed to noise radiation including:

- Computer
- Consumer
- Industrial
- Medical
- RFID
- Telecommunication
- Automotive
- Gaming & Entertainment

Electrical/Physical Characteristics

Standard dimensions (mm)	240 × 240
Effective frequency	Up to 10 GHz
Thickness (mm)	0.03, 0.05, 0.07, 0.1, 0.2, 0.3, 0.5, 1.0
Temperature range (°C)	-40 to +105
Specific gravity (in 23°C atmosphere)	2.8, 3.0, 3.1, 3.2, 3.6 (typ)
Tensile strength (MPa)	3.5, 3.6, 6.8, 6.9
Surface resistance (Ω)	1.0×10^5 (minimum)
Thermal conductivity (W/m K)	0.22, 0.4, 1.3
Approved standard	UL94 V-0, UL94 V-1, UL94 HB, UL File No. E176124
Environment	RoHS compliant, halogen-free, PVC-free, lead-free
Relative magnetic permeability (at 3 MHz)	20, 60, 100, 130

Ordering Information

Series Type	Thickness (mm)	Standard Dimensions (mm)	Tape 1 Type Adhesive Tape Thickness (mm)	Tape 2 Type
EFR	**(01)**	**240 x 240**	**T08**	**00**
EFR EFX EFF EFA EFH EFG	003 = 0.03 005 = 0.05 007 = 0.07 01 = 0.1 02 = 0.2 03 = 0.3 05 = 0.5 10 = 1.0	240 x 240	T08 = 0.03 T15 = 0.14 T22 = 0.05 Blank = No adhesive tape	00 = Without PET tape

Electronic Components

KEMET

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