DSCC 93026

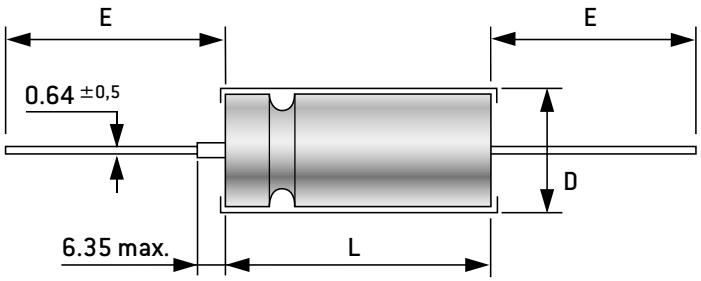
Wet tantalum capacitors
Hermetically sealed tantalum case
Very high capacitance
High ripple current
Axial leads
Polarized type

ELECTRICAL AND CLIMATIC CHARACTERISTICS

	DSCC 93026
Detail specification	DRAWING NO. 93026
Operating temperature	–55°C +125°C
Capacitance range	10µF...1800µF
Tolerance	±10% - ±20%
Voltage range	25V ⇨ 125V
Max. capacitance change –55°C	see table
Max. capacitance change +85°C	see table
Max. capacitance change +125°C	see table
Max. impedance at 120Hz –55°C	see table
Max. leakage current at +25°C	see table
Max. leakage current at +85°C / +125°C	see table
Max. ESR at 120Hz +25°C	see table
Max. ripple current 40kHz +85°C	see table
Reverse voltage	No continuous reverse voltage. Reverse voltage is acceptable under some conditions: $U_{REV} \leq 1,5$ V, It ≤ 0,05 A second and repetition rate < 10Hz
Max. surge voltage at +85°C	1,15 x U_R

DIMENSIONS (mm)

Case (code)	Without insulating sleeve		With insulating sleeve	Lead length
	D ±0,41	L +0,79 −0,41	D max.	E ±6,35
T1	4,78	11,51	5,56	38,10
T2	7,14	16,28	7,92	57,15
T3	9,52	19,46	10,31	57,15
T4	9,52	26,97	10,31	57,15



MARKING, PACKAGING, CONSTRUCTION:
see general characteristics

HOW TO ORDER

EXXELIA PN	Model code	Dash Number	Tolerance code	Insulating sleeve
	93026	**-48**	**K**	**S**
		See Ratings and Case code table	**K** = ±10% **M** = ±20%	**U** = Without **S** = With

DSCC 93026

STANDARD RATINGS - ELECTRICAL CHARACTERISTICS

Capacitance 120Hz +25°C (µF)	Case (code)	Dash Number	Capacitance maximum change			Max. Impedance 120Hz −55°C (Ω)	Max. I leak		Irms Max. 40kHz +85°C (mA)	Max. ESR 120Hz +25°C (Ω)
			−55°C (%)	+85°C (%)	+125°C (%)		+25°C (µA)	+85°C +125°C (µA)		
Rated voltage (+85°C) 25 V - Derated voltage (+125°C) 15 V										
120	T1	29	−42	+8	+12	25	1	5	1250	1,3
560	T2	30	−65	+10	+15	12	2	10	2100	0,83
1200	T3	31	−70	+12	+18	7	5	20	2600	0,65
1800	T4	32	−75	+12	+20	7	6	25	3100	0,5
Rated voltage (+85°C) 30 V - Derated voltage (+125°C) 20 V										
100	T1	33	−38	+8	+12	25	1	5	1200	1,3
470	T2	34	−65	+10	+18	15	2	10	1800	0,85
1000	T3	35	−70	+10	+18	7	7	25	2500	0,7
1500	T4	36	−72	+10	+20	6	12	35	3000	0,6
Rated voltage (+85°C) 50 V - Derated voltage (+125°C) 30 V										
68	T1	37	−25	+8	+15	35	1	5	1050	1,5
220	T2	38	−50	+8	+15	17,5	2	10	1800	0,9
470	T3	39	−50	+8	+15	10	3	25	2100	0,75
680	T4	40	−58	+10	+20	8	5	40	2750	0,7
Rated voltage (+85°C) 60 V - Derated voltage (+125°C) 40 V										
47	T1	41	−25	+8	+12	44	1	5	1050	2,0
150	T2	42	−40	+8	+15	20	2	10	1650	1,1
390	T3	43	−60	+8	+15	15	3	25	2100	0,9
560	T4	44	−58	+8	+15	10	5	40	2750	0,8
Rated voltage (+85°C) 75 V - Derated voltage (+125°C) 50 V										
33	T1	45	−25	+5	+9	66	1	5	1050	2,5
110	T2	46	−35	+6	+10	24	2	10	1650	1,3
330	T3	47	−45	+6	+10	12	3	30	2100	1,0
470	T4	48	−55	+6	+10	12	5	50	2750	0,9
Rated voltage (+85°C) 100 V - Derated voltage (+125°C) 65 V										
15	T1	49	−18	+3	+10	125	1	5	1050	3,5
68	T2	50	−30	+4	+12	37	2	10	1650	2,1
150	T3	51	−35	+6	+12	22	3	25	2100	1,6
220	T4	52	−40	+6	+12	15	5	50	2750	1,2
Rated voltage (+85°C) 125 V - Derated voltage (+125°C) 85 V										
10	T1	53	−15	+3	+10	175	1	5	1050	5,5
47	T2	54	−25	+5	+12	47	2	10	1650	2,3
100	T3	55	−35	+5	+12	35	3	25	2100	1,8
150	T4	56	−35	+6	+12	20	5	50	2750	1,6