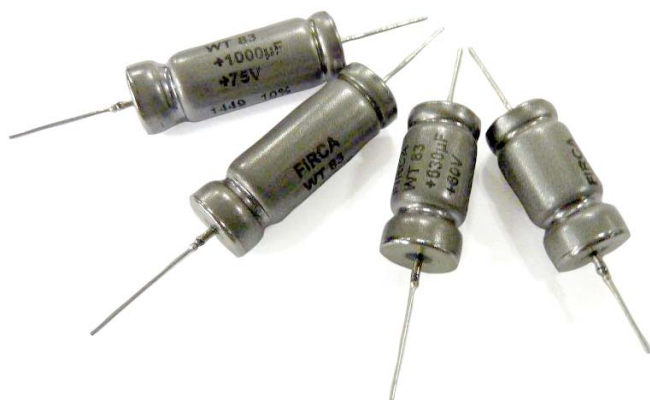


WT 83



Wet tantalum capacitors
Hermetically sealed tantalum cases
Extended Capacitance
Enhanced performance
High reliability design
 Axial leads
 Polarized types

Condensateurs tantale à électrolyte gélifié
Boîtiers tantale hermétiques
Capacité étendue
Amélioration des performances
Conception de haute fiabilité
 Sorties axiales
 Polarisés



AERONAUTIC
Aéronautique



SPACE
Spatial



DEFENCE
Défense

ELECTRICAL AND CLIMATIC CHARACTERISTICS

CARACTÉRISTIQUES ÉLECTRIQUES ET CLIMATIQUES

	WT 83	
Operating temperature	-55°C +125°C	Température d'utilisation
Capacitance range	150 µF...10 000 µF (@ 120 Hz)	Gamme de capacité
Tolerance	20%...10% (@ 120 Hz)	Tolérance
Voltage range	10V _{DC} ...125V _{DC}	Gamme de tension
Max. surge voltage at +85°C	see table/voir tableau	Surtension max. à +85°C
Life testing	2000H at 85°C under rated voltage / sous tension nominale or 2000H at 125°C under category voltage / sous tension de catégorie	Durée de vie
Damp heat	56 days / jours	Chaleur humide
Low pressure	1,45 mbar (45 720 m)	Basse pression
Shock	100 g	Chocs
Vibrations, high frequency	50 g	Vibrations, haute fréquence
Thermal shock	-55°C +125°C 30 cycles	Choc thermique
Solderability	MIL-STD-202 method 208	Soudabilité
Terminal strength	MIL-STD-202 method 211	Robustesse des terminaisons

HOW TO ORDER

EXEMPLE DE CODIFICATION À LA COMMANDE

Model Modèle	Case in code Boîtier en code	Capacitance in code Valeur capacité en code	Capacitance tolerance Tolérance capacité	DC Voltage Tension nominale V _{CC}	Termination Terminaison	Sleeve Manchon
WT83	C-D	477	M	075	H	S
	See Ratings and Case code table	Expressed in pF with 3 digits: 2 digits for the value and the third for the multiplier	K = 10% M = 20%	Expressed in volt with 3 digits	H = SnPb F = Sn100	U = Without S = With

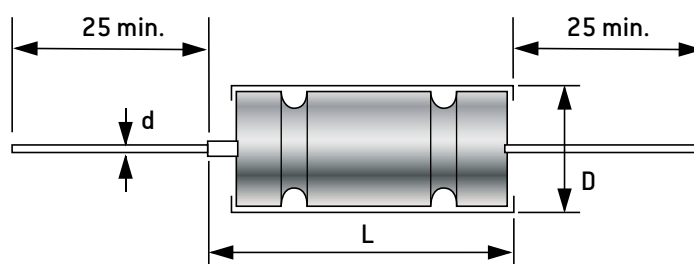
DIMENSIONS (mm)

Case code Boîtier	Dimensions with insulating sleeve Dimensions avec gaine isolante		
	L max	D max	d +10% -0,05
C	26	10,1	0,6
D	34	10,1	0,6

MARKING, PACKAGING, CONSTRUCTION :
see general characteristics

MARQUAGE, CONDITIONNEMENT, CONSTRUCTION :
voir caractéristiques générales

DIMENSIONS (mm)



WT 83

STANDARD RATINGS - ELECTRICAL CHARACTERISTICS

VALEURS STANDARD - CARACTÉRISTIQUES ÉLECTRIQUES

Capacitance Capacité	Case Boîtier	Capacitance maximum change Variation maximum de la capacité			Max. Impedance Impédance max.	Max. I leak I fuite max.		Irms Max. Ieff. max.	Max. RSE ESR max.	
120 Hz +20°C (μF)	(code)	-55°C (%)	+85°C (%)	+125°C (%)	120 Hz -55°C (Ω)	+20°C (μA)	+85°C / +125°C (μA)	40 kHz +85°C (mA)	120 Hz (Ω)	40 kHz (Ω)
Rated voltage (+85°C) 10V / Surge (+85°C) 11,5V - Category voltage (+125°C) 7V										
4700	C	-80	+10	+20	3.50	16	100	4000	0.35	0.14
10 000	D	-85	+20	+35	3.00	25	150	5000	0.25	0.10
Rated voltage (+85°C) 16V / Surge (+85°C) 18,4V – Category voltage (+125°C) 11V										
3300	C	-80	+10	+15	3.50	16	100	4000	0.35	0.14
6000	D	-80	+15	+20	3.00	25	150	4500	0.30	0.12
Rated voltage (+85°C) 25V / Surge (+85°C) 28,8V – Category voltage (+125°C) 15V										
2200	C	-80	+10	+15	5.50	16	100	3750	0.40	0.16
4000	D	-80	+15	+20	5.00	25	125	4250	0.35	0.14
Rated voltage (+85°C) 30V / Surge (+85°C) 34,5V – Category voltage (+125°C) 20V										
1800	C	-80	+15	+20	4.50	16	100	2100	0.45	0.18
3300	D	-80	+20	+25	4.00	25	125	2750	0.35	0.14
Rated voltage (+85°C) 35V / Surge (+85°C) 40,3V – Category voltage (+125°C) 22V										
1500	C	-80	+15	+25	5.00	16	100	3000	0.50	0.20
2800	D	-80	+20	+30	4.50	25	125	4000	0.35	0.14
Rated voltage (+85°C) 50V / Surge (+85°C) 57,5V – Category voltage (+125°C) 30V										
1000	C	-70	+10	+20	10.0	16	125	2450	0.95	0.38
1500	C	-80	+15	+25	8.00	25	130	2400	1.00	0.40
1500	D	-70	+20	+20	6.00	15	110	3500	0.35	0.14
2200	D	-80	+25	+30	4.50	25	125	3000	0.60	0.24
Rated voltage (+85°C) 60V / Surge (+85°C) 69V – Category voltage (+125°C) 40V										
600	C	-75	+12	+15	10.0	20	120	2500	0.90	0.36
1000	D	-40	+10	+15	5.50	20	120	3500	0.50	0.20
1200	D	-70	+15	+20	6.00	20	200	3500	0.50	0.20
Rated voltage (+85°C) 75V / Surge (+85°C) 86,3V – Category voltage (+125°C) 50V										
470	C	-45	+10	+25	10.0	25	100	3000	0.60	0.24
750	D	-35	+10	+15	6.50	20	120	3500	0.50	0.20
1000	D	-65	+12	+20	8.00	20	200	3500	0.60	0.24
Rated voltage (+85°C) 100V / Surge (+85°C) 115V – Category voltage (+125°C) 65V										
220	C	-55	+10	+15	18.0	5	25	2500	1.40	0.56
400	D	-40	+6	+12	15.0	10	120	3000	0.70	0.28
470	D	-50	+10	+20	10.0	25	250	3500	0.70	0.28
Rated voltage (+85°C) 125V / Surge (+85°C) 144V – Category voltage (+125°C) 85V										
150	C	-50	+10	+15	25.0	5	25	2000	1.10	0.44
240	D	-35	+6	+12	20.0	15	150	2500	0.80	0.32
330	D	-55	+8	+12	15.0	25	250	2500	0.80	0.32