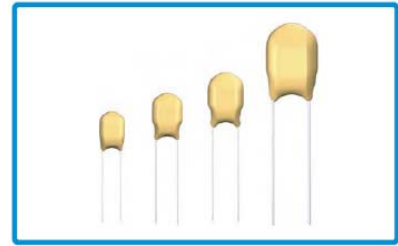


Radial Leaded Tantalum Capacitors



DT Series

MERITEK



SPECIFICATIONS

Item	Characteristic									
Operation Temperature Range	-55°C ~ +125°C									
Rated Working Voltage	4 ~ 50VDC									
Capacitance Tolerance (120Hz 20°C)	±20%(M), ±10%(K), ±5%(J)									
Leakage Current (20°C)	$I \leq 0.01CV$ or $1 (\mu A)$ *Whichever is greater I: Leakage Current (μA) C: Rated Capacitance (μF) V: Working Voltage (V)									
Dissipation Factor (tan δ) (120Hz 20°C)	Capacitance (μF)	Capacitance Change (%)			Max D.F (%)				Max DCL(μF)	
		-55°C	+85°C	+125°C	-55°C	+20°C	+85°C	+125°C	+85°C	+125°C
	≤1.0	±10	±15	±25	6	4	6	6	10I ₀	12.5I ₀
	1.5 ~ 6.8				8	6	8	8		
	10 ~ 68				10	8	10	10		
100 ~ 330	12				10	12	12			
Load Life	After applying rated working voltage for 2000 hours at 85°C and rated voltage									
	Capacitance Change				≤ Within ±10% of initial value					
	Dissipation Factor				≤ Within values specified above					
	Leakage current				≤ Within values specified above					
Operating Temp Range	After 1000 hours no application of the rated working voltage at 85°C capacitor shall meet the requirements of above load life									
Temperature Characteristic		-55°C			+85°C			+125°C		
	Capacitance	Within A, -12% of initial value			Within +12, 0% of initial value			Within +15, 0% of initial value		
	Tan δ	Within value specified above			Within values specified above			Within values specified above		
	Leakage Current				Within 10 times of specified above			Within 12.5 times of specified above		

PART NUMBERING SYSTEM

Meritek Series		DT		100		M		016		1	
Voltage		Code		104 - 684		105 - 685		106 - 337		Capacitance	
		0.1 ~ 0.68 μF		1 ~ 6.8 μF		10 ~ 330 μF					
Tolerance		Code		M		K					
		value		±20%		±10%					
Rated Voltage		Code		004		006		010		016	
		Value		4		6.3		10		16	
Lead Forming		1		1" / 2.5mm lead space, taping							
		2		2" / 5.0mm lead space, taping							

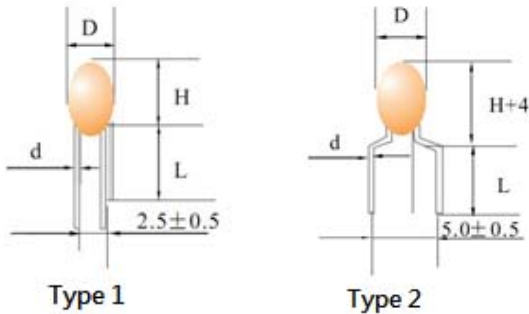
Radial Leaded Tantalum Capacitors



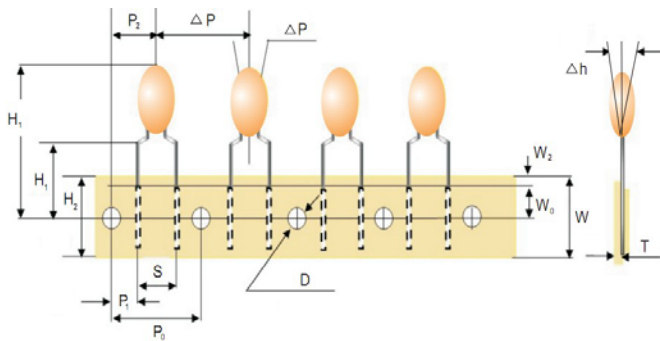
DT Series

MERITEK

DIMENSIONS



Case Size	D (MAX)	H (MAX)	L (±1)	d (±0.05)
A	4.0	6.0	14	0.5
B	4.8	7.2	14	0.5
C	5.5	8.0	14	0.5
D	6.0	9.4	14	0.5
E	7.2	11.5	14	0.5
F	8.2	12.5	14	0.5



Capacitance (μF)	CODE	Rated Voltage (V)						
		4	6.3	10	16	25(20)	35	50
0.1	104						A	A
0.15	154						A	A
0.22	224						A	A
0.33	334						A	A
0.47	474						A	A
0.68	684						A	A
1	105				A	A	A	B
1.5	155				A	A	A	C
2.2	225			A	A	A	B	C
3.3	335		A	A	A	B	B	D
4.7	475	A	A	A	B	B	C	D
6.8	685	A	A	B	B	C	D	E
10	106	A	B	B	B	C	D	E
15	156	A	B	C	C	D	E	F
22	226	B	C	C	C	D	E	F
33	336	B	C	D	D	E	F	
47	476	C	D	D	D	E	F	
68	686	D	D	D	E	F		
100	107	D	E	E	E	F		
150	157	E	E	E	F			
220	227	E	E	F	F			
330	337	F	F					

Symbol	Dimensions (mm)	
	P	12.7±1.0
P ₀	12.7±0.3	
W	18	+1 -0.5
W ₀	5min	
H ₂	9	+0.75 -0.5
W ₂	0	+1 -0
H ₁	32.5max	
D	4.0±0.2	
T	0.5±0.2	
Δh	0±2.0	
H	16±0.5	
S	2.5±0.5	5.0±0.7
P ₁	5.10±0.5	3.85±0.7
P ₂	6.35±0.4	
ΔP	±1.3max	