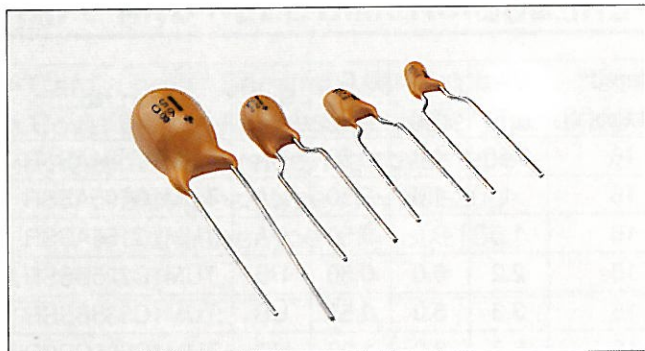


TB / TD SERIES

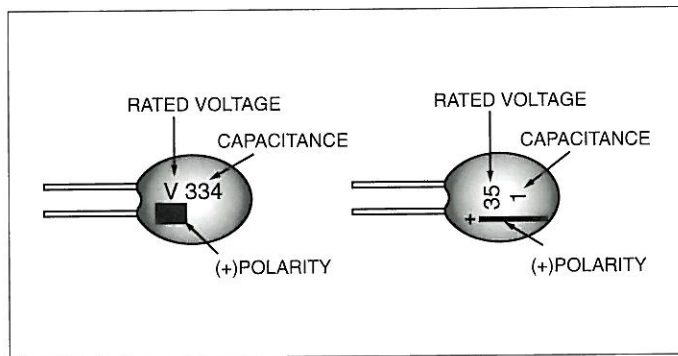
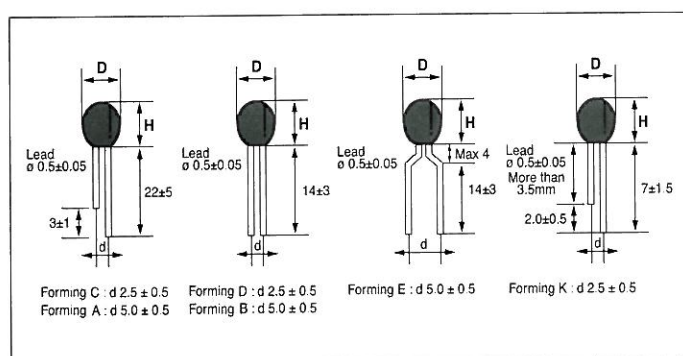
TANTALUM CHIP CAPACITOR



FEATURES

- Capacitance : 0.1 μ F to 330 μ F
- 100% Surge current test on each sizes
- Capacitance tolerance : $\pm 10\%$ (K), $\pm 20\%$ (M)
- Standard Range Values
- Voltage : 3.15VDC to 50VDC

CASE DIMENSIONS AND MARKINGS

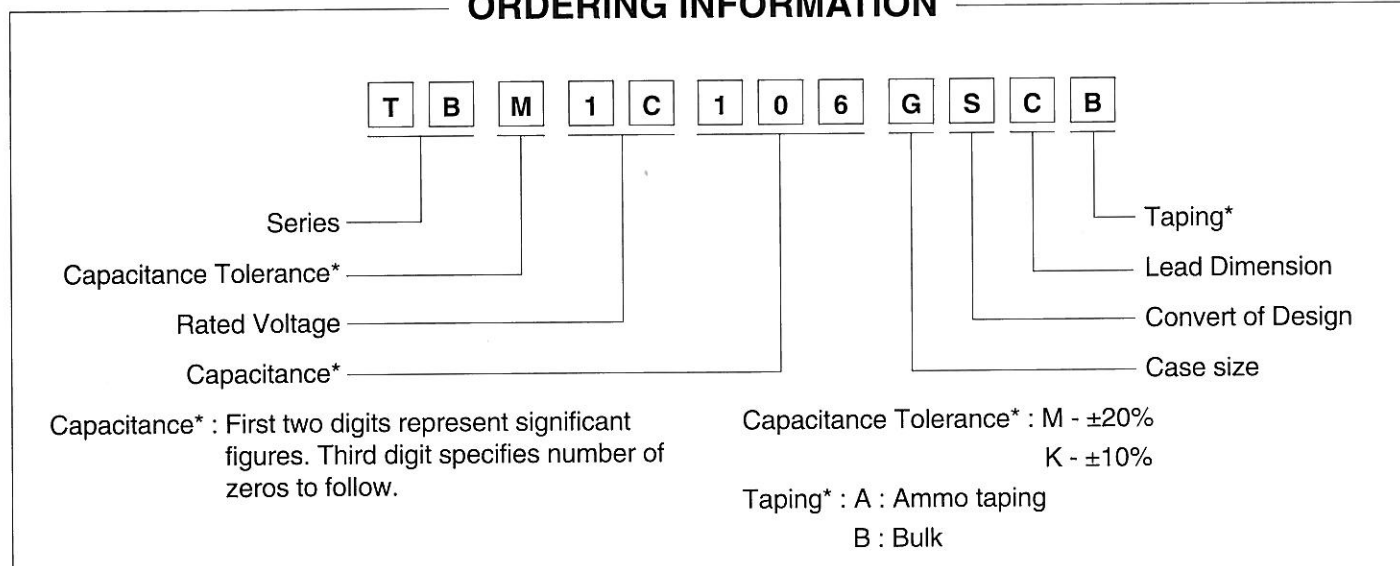


(unit : mm)

SIZE CODE

Series	D/H	A	B	C	D	E	F	G	H	I	J	K	L	M	N	P
TB Series	D max	4.5	4.5	5.0	5.0	5.0	5.5	5.5	6.0	6.0	6.5	7.0	7.5	8.5	9.0	9.5
	H max	7.5	8.0	8.0	9.0	9.5	10.0	10.5	10.5	11.0	11.0	12.5	13.5	14.5	15.5	16.0
TD Series	D max	3.4	3.7	3.9	4.0	4.0	4.5	5.0	5.2	5.5	6.0	-	-	-	-	-
	H max	5.4	6.0	6.5	7.0	7.5	8.0	8.0	8.0	10.0	10.0	-	-	-	-	-

ORDERING INFORMATION



TB / TD SERIES

TANTALUM CHIP CAPACITOR

SPECIFICATIONS

Capacitance	Range	0.1 μ F to 220 μ F							
	Tolerance	$\pm 20\%$ (M), $\pm 10\%$ (K)							
Dissipation Factor ($\tan \delta$)	$C \leq 1.0\mu\text{F}$	D.F $\leq 4.0\%$							
	$1.5\mu\text{F} \leq C \leq 6.8\mu\text{F}$	D.F $\leq 6.0\%$							
	$10\mu\text{F} \leq C \leq 68\mu\text{F}$	D.F $\leq 8.0\%$							
	$100\mu\text{F} \leq C \leq 150\mu\text{F}$	D.F $\leq 10.0\%$							
	$C \geq 220\mu\text{F}$	D.F $\leq 12.0\%$							
Leakage Current		between 0.01CV and 0.5 μ A, whichever is higher							
Rated Voltage (V _R)		4.0	6.3	10.0	16.0	20.0	25.0	35.0	50.0
Operating Voltage (V _o)	$T \leq 85^\circ\text{C}$	4.0	6.3	10.0	16.0	20.0	25.0	35.0	50.0
	$85 < T \leq 125^\circ\text{C}$	2.5	4.0	6.3	10.0	13.0	16.0	22.0	32.0
Surge Voltage (V _s)	$T \leq 85^\circ\text{C}$	5.2	8.0	13.0	20.0	25.0	32.0	44.0	63.0
	$85 < T \leq 125^\circ\text{C}$	3.2	5.0	8.0	13.0	16.0	20.0	28.0	40.0
Operating Temperature		-55 $^\circ$ C to 125 $^\circ$ C							

CAPACITANCE AND VOLTAGE RANGE of TB series

Cap(μ F) \backslash W.V	3.15	6.3	10	16	20	25	35	50
0.1							A	B
0.15							A	B
0.22							B	B
0.33							B	C
0.47						B	B	D
0.68					B	B	B	E
1.0				A	B	B	C	F
1.5				B	B	B	D	H
2.2			B	B	C	C	E	J
3.3		B	B	C	D	D	G	L
4.7	B	B	C	D	E	E	H	L
6.8	B	C	D	E	F	G	I	M
10	B	D	E	G	H	I	J	M
15	C	E	F	I	J	J	L	
22	D	F	H	J	K	L	M	
33	E	H	I	K	L	M	N	
47	F	I	K	L	M	N	N	
68	H	K	L	M	N	N		
100	I	L	M	N	P			
150	K	M	N	P				
220	L	N	P					
330	M	P						