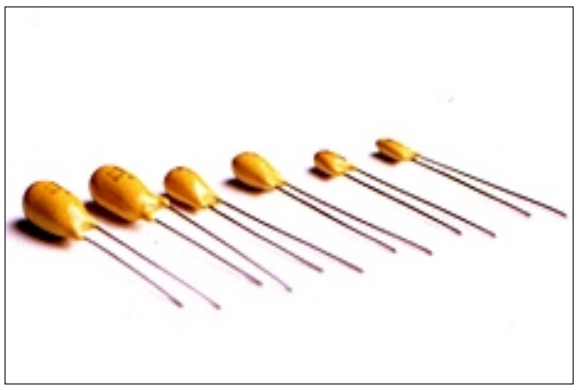
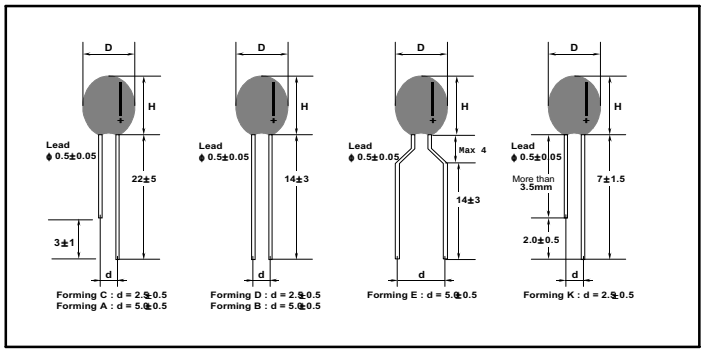
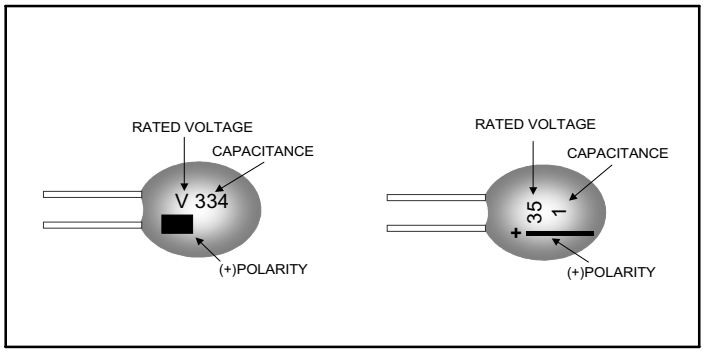


FEATURES

- Capacitance : 0.1㎌ to 330㎌
- 100% Surge current test on each sizes (A,B2,C,D)
- Capacitance tolerance : ±10%(K), ±20%(M)
- Voltage : 3.15V DC to 50V DC

CASE DIMENSIONS AND MARKINGS

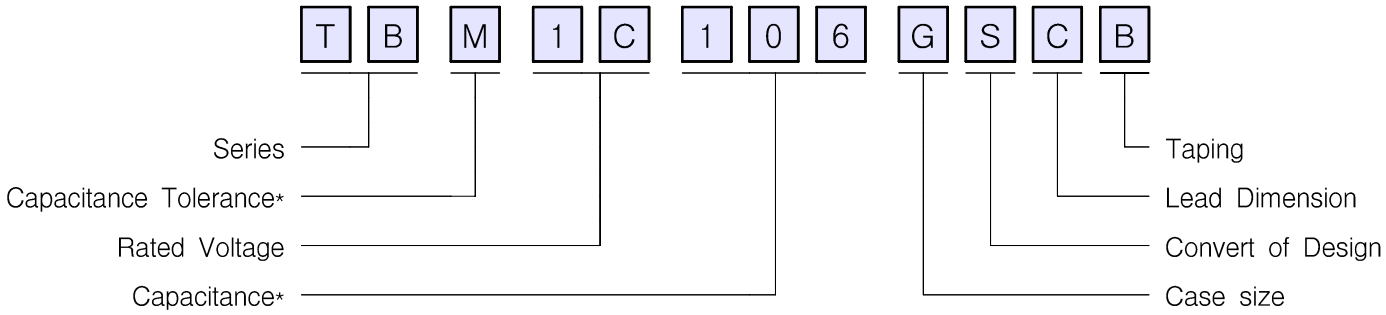




(unit : millimeters)

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



Capacitance* : First two digits represent significant figures. Third digit specifies number of zeros to follow.

Capacitance Tolerance* : M - ±20%
K - ±10%

SPECIFICATIONS

Capacitance	Range	0.01㎌ to 330㎌						
	Tolerance	±20%(M), ±10%(K)						
Dissipation Factor (tan δ)	C≤1.0㎌	D.F≤4.0%						
	1.5㎌≤C≤6.8㎌	D.F≤6.0%						
	10㎌≤C≤68㎌	D.F≤8.0%						
	100㎌≤C≤150㎌	D.F≤10.0%						
	C≥220㎌	D.F≤12.0%						
Leakage Current		between 0.01CV and 0.5㎂, 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≤85℃	4.0	6.3	10.0	16.0	20.0	25.0	35.0	50.0
	85<T≤125℃	2.5	4.0	6.3	10.0	13.0	16.0	22.0	32.0
Surge Voltage (V_S)	T≤85℃	5.2	8.0	13.0	20.0	25.0	32.0	44.0	63.0
	85<T≤125℃	3.2	5.0	8.0	13.0	16.0	20.0	28.0	40.0
Operating Temperature		-55℃ to 125℃						

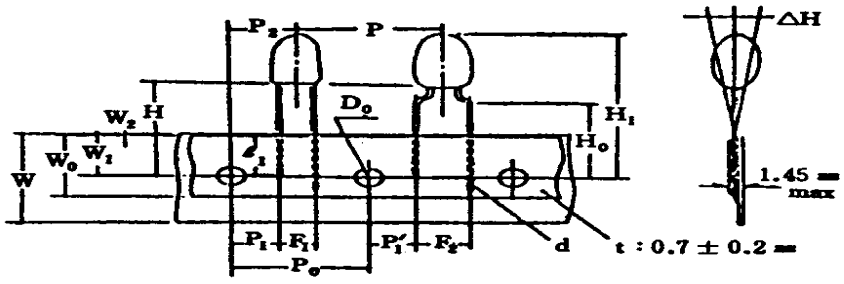
CAPACITANCE AND VOLTAGE RANGE of TB series

W.V / Cap(㎌)	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	N
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						

CAPACITANCE AND VOLTAGE RANGE of TD series

W.V / Cap(μF)	3.15	6.3	10	16	20	25	35	50
0.1							A	
0.15							A	
0.22							A	
0.33					A	A	B	
0.47				A	B	B	B	
0.68				A	B	B	C	
1.0			A	A	C	C	D	
1.5		A	A	B	D	D	E	
2.2	A	A	B	C	E	E	F	
3.3	A	B	C	D	E	E	G	
4.7	B	C	D	E	G	G	H	
6.8	C	D	E	F	H	H	I	
10	D	E	F	G	I	I		
15	F	G	H	H				
22	F	G	H	I				
33	G	H	I	J				
47	H	I	J					
68	I	J						
100	J							

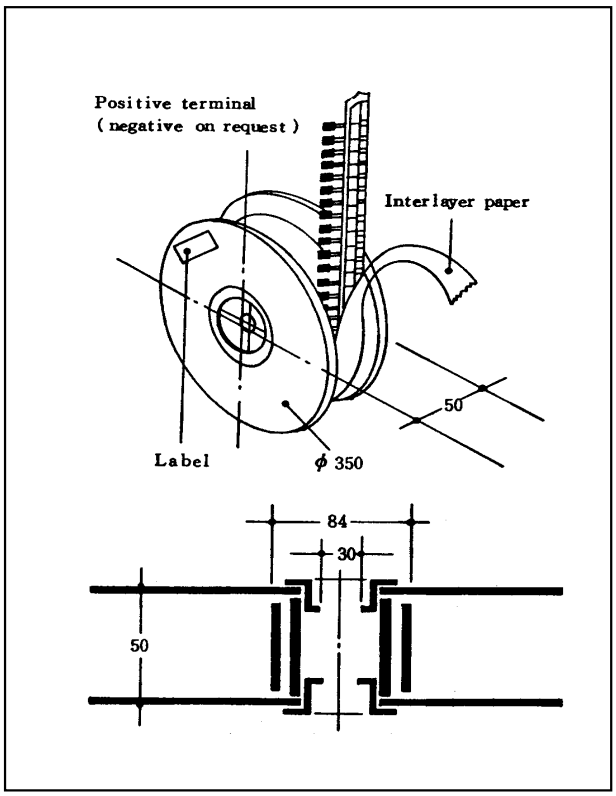
TB/TD SERIES TAPING AND PACKING



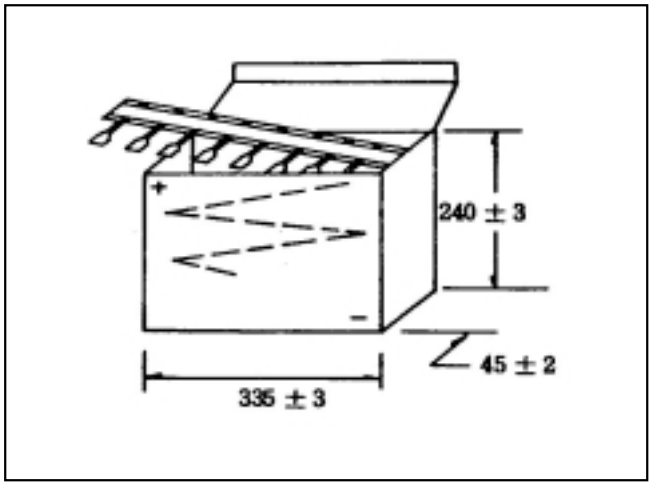
Item	Symbol	Length(㎜)	Tolerance(㎜)
lead diameter	d	0.5	±0.05
pitch per parts	p	12.7	±1.0
pitch per hole	p_0	12.7	±0.2
interval(hole to lead)	p_1'/P_1	3.85/5.1	±0.7
interval(hole to part)	P_2	6.35	±0.5
interval(lead to lead)	F_1/F_2	2.2/5.0	±0.5
parts alignment(F-R)	▲H	0	±2.0
tape width	W	18.0	±0.5

Item	Symbol	Length(㎜)	Tolerance(㎜)
hole to down tape width	W_0	6.0	±0.5
hole position	W_1	9.0	+0.75,-0.5
hole to down tape position	W_2	2.0	max.
part to tape center	H	19.0	±0.5
lead forming H	H_0	16.0	±0.5
part H	H_1	32.25	max.
feed hole diameter	D_0	4.0	±0.3
lead exposure	L_1	7.0	+2.0,-2.5

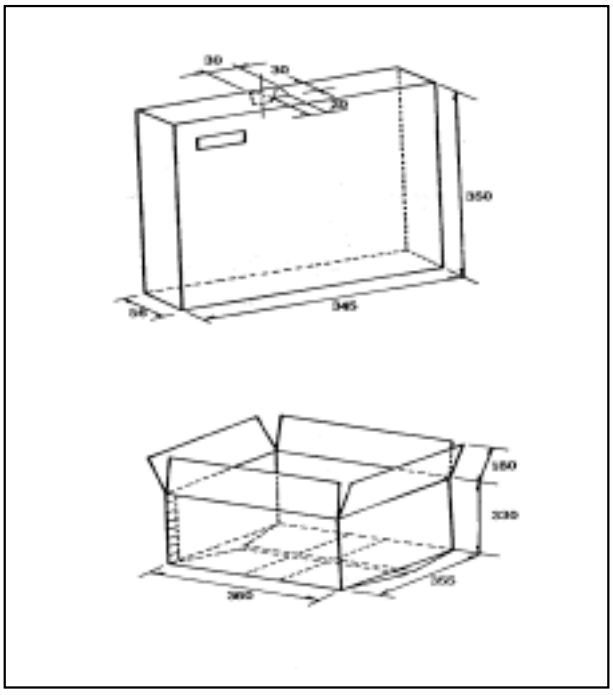
Reel Taping

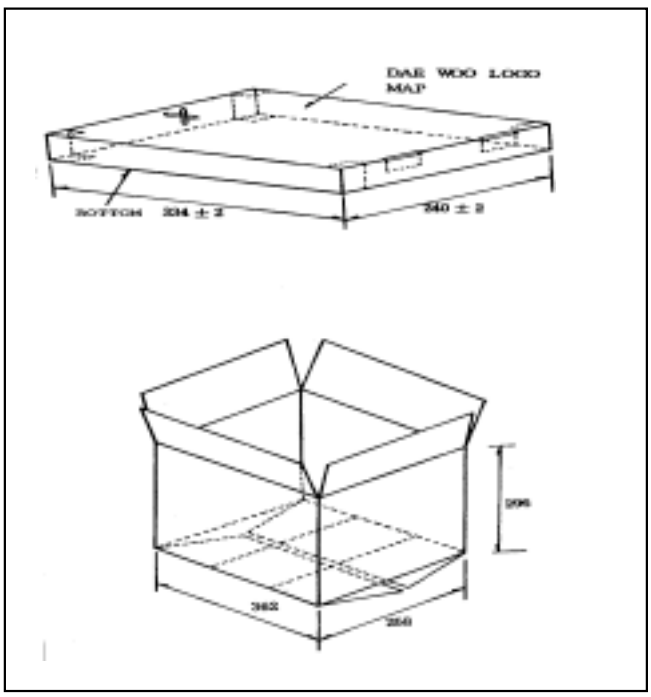


Ammo Taping



Packing





SIZE	Quantity	Inner Box	Outer Box
A~C	2.0KP	1 Reel	5(10.0KP)
D~G	1.5KP	1 Reel	5(7.5KP)
H~J	1.0KP	1 Reel	5(5.0KP)

SIZE	Inner Box	Outer Box
A~C	4.0 KP	6 (24.0KP)
D~G	3.0 KP	6 (18.0KP)
H~J	2.5 KP	6 (15.0KP)
K~L	2.0 KP	6 (12.0KP)