



FEATURES

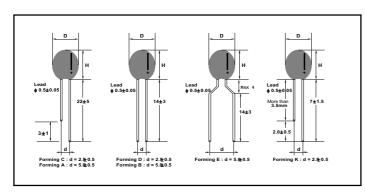
· Capacitance: 0.1 µF to 330 µF

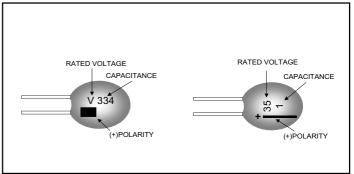
· 100% Surge current test on each sizes (A,B2,C,D)

• Capacitance tolerance : $\pm 10\%$ (K), $\pm 20\%$ (M)

· Voltage: 3.15V DC to 50V DC

CASE DIMENSIONS AND MARKINGS

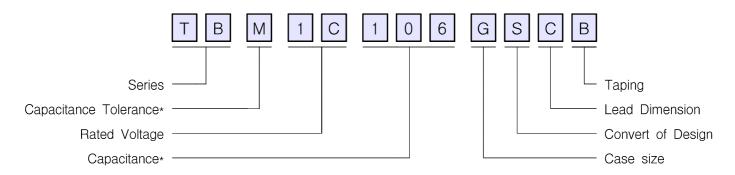




(unit: millimeters)

	SIZE CODE															
Series	D/H	Α	В	С	D	E	F	G	Н		J	K	L	М	Ν	Р
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
TB Series	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 Corios	D max	3.4	3.7	3.9	4.0	4.0	4.5	5.0	5.2	5.5	6.0	_	_	_	-	_
TD Series	H max	5.4	6.0	6.5	7.0	7.5	8.0	8.0	8.0	10.0	10.0	1	1	1	_	_

ORDERING INFORMATION



Capacitance*: First two digits represent significant figures.

Third digit specifies number of zeros to follow.

Capacitance Tolerance* : M - $\pm 20\%$

 $K - \pm 10\%$

SPECIFICATIONS

0 "	Range		0.01 µF to 330 µF							
Capacitance	Tolerance	±20%(M), ±10%(K)								
	C≤1.0 <i>µ</i> F				D.F≤	4.0%				
Dissipation Factor	$1.5\mu F \le C \le 6.8\mu F$				D.F≤	6.0%				
Dissipation Factor (tan 8)	10 µF ≤ C ≤ 68 µF				D.F≤	8.0%				
((a)10)	$100 \mu F \le C \le 150 \mu F$	D.F≤10.0%								
	C≥220 <i>µ</i> F	D.F \le 12.0%								
Leakage	between 0.01CV and 0.54A, whichever is higher									
Rated Volt	age (V _R)	4.0	6.3	10.0	16.0	20.0	25.0	35.0	50.0	
Operating Voltage	T≤85℃	4.0	6.3	10.0	16.0	20.0	25.0	35.0	50.0	
(V _O)	85 <t≤125℃< th=""><th>2.5</th><th>4.0</th><th>6.3</th><th>10.0</th><th>13.0</th><th>16.0</th><th>22.0</th><th>32.0</th></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℃< th=""><th>3.2</th><th>5.0</th><th>8.0</th><th>13.0</th><th>16.0</th><th>20.0</th><th>28.0</th><th>40.0</th></t≤125℃<>	3.2	5.0	8.0	13.0	16.0	20.0	28.0	40.0	
Operating Te	-55°C to 125°C									

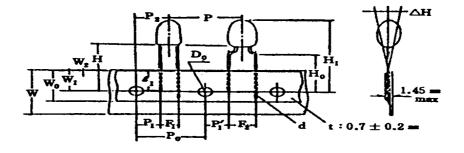
CAPACITANCE AND VOLTAGE RANGE of TB series

W.V Cap(#F)	3.15	6.3	10	16	20	25	35	50
0.1							Α	В
0.15							Α	В
0.22							В	В
0.33							В	С
0.47						В	В	D
0.68					В	В	В	E
1.0				Α	В	В	С	F
1.5				В	В	В	D	Н
2.2			В	В	С	С	E	J
3.3		В	В	С	D	D	G	L
4.7	В	В	С	D	E	E	Н	L
6.8	В	С	D	E	F	G		М
10	В	D	Е	G	Н		J	N
15	С	E	F	I	J	J	L	
22	D	F	Н	J	K	L	М	
33	E	Н	l	K	L	М	N	
47	F	l	K	L	М	N	N	
68	Н	K	L	М	N	N		
100	l	L	М	N	Р			
150	K	М	N	Р				
220	L	N	Р					
330	М	Р						

CAPACITANCE	AND VOLTAGE	RANGE of TD	SALIDS
CAFACITANCE	AND VOLIAGE	DANGE OF LD	561162

W.V Cap(#F)	3.15	6.3	10	16	20	25	35	50
0.1							Α	
0.15							Α	
0.22							Α	
0.33					Α	Α	В	
0.47				Α	В	В	В	
0.68				Α	В	В	С	
1.0			Α	Α	С	С	D	
1.5		Α	Α	В	D	D	E	
2.2	Α	Α	В	С	Е	E	F	
3.3	Α	В	С	D	E	E	G	
4.7	В	С	D	E	G	G	Н	
6.8	С	D	Е	F	Н	Η		
10	D	E	F	G				
15	F	G	Η	Н				
22	F	G	Н					
33	G	Н		J				
47	Н	l l	J					
68	I	J						
100	J							

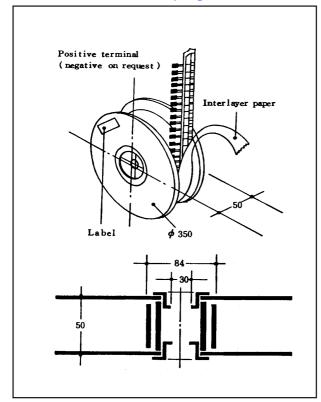
TB/TD SERIES TAPING AND PACKING



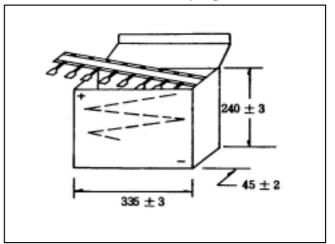
ltem	Symbol	Length(mm)	Tolerance(mm)
lead diameter	d	0.5	±0.05
pitch per parts	р	12.7	±1.0
pitch per hole	p ₀	12.7	±0.2
interval(hole to lead)	p ₁ '/P ₁	3.85/5.1	±0.7
interval(hole to part)	P_2	6.35	±0.5
interval(lead to lead)	F ₁ /F ₂	2.2/5.0	±0.5
parts alignment(F-R)	▲H	0	±2.0
tape width	W	18.0	±0.5

ltem	Symbol	Length(mm)	Tolerance(mm)
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	Н	19.0	±0.5
lead forming H	H₀	16.0	±0.5
part H	H₁	32.25	max.
feed hole diameter	D ₀	4.0	±0.3
lead exposure	L ₁	7.0	+2.0,-2.5

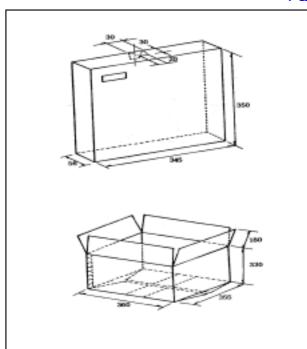
Reel Taping



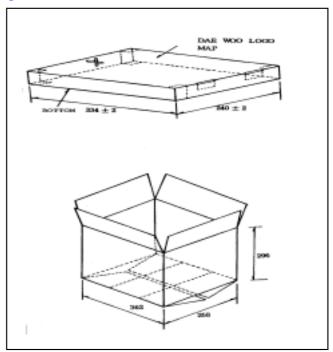
Ammo Taping



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)