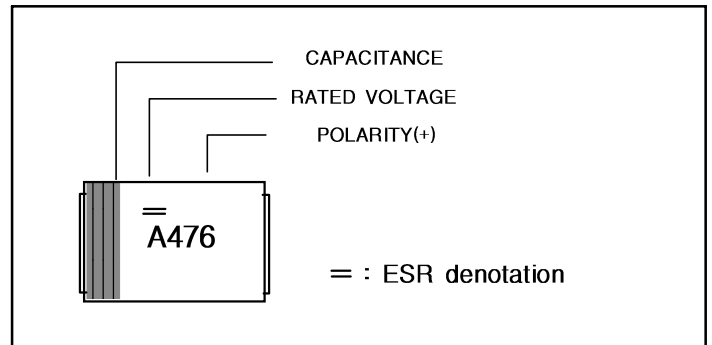
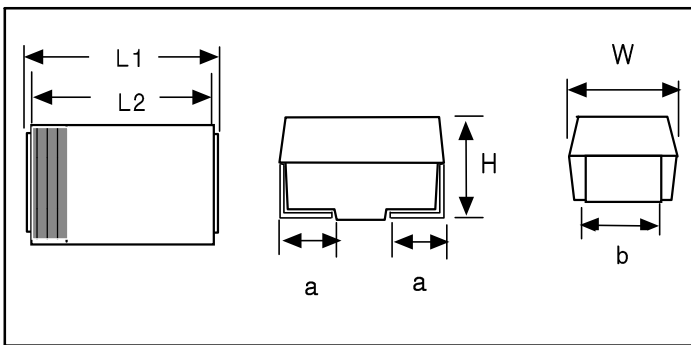




FEATURES

- Capacitance : 4.7 μ F to 330 μ F
- 100% Surge current test on each sizes (A,B2,C,D)
- Capacitance tolerance : $\pm 10\%$ (K), $\pm 20\%$ (M)
- Low ESR
- Voltage : 6.3VDC to 50VDC

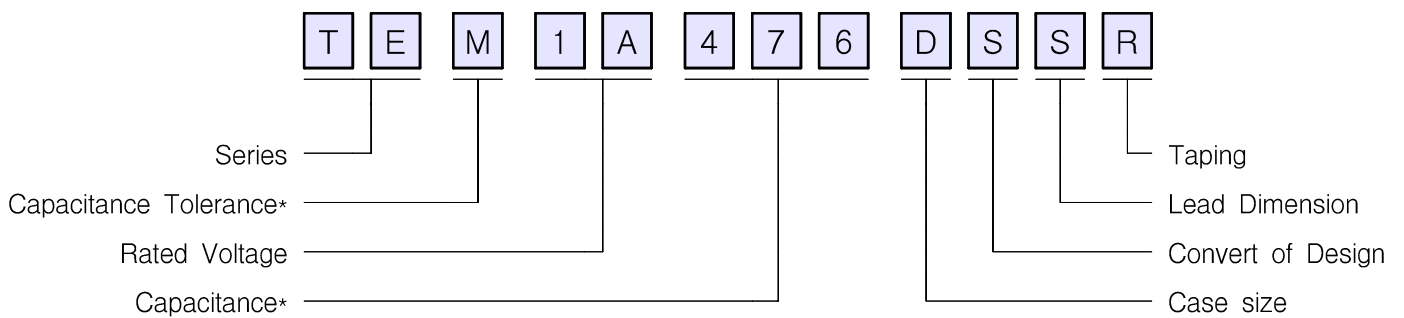
CASE DIMENSIONS AND MARKINGS



(unit : millimeters)

Size	Code	L1	L2	W	H	a	b
A	A	3.2 \pm 0.2 -0.1	2.9 \pm 0.1	1.6 \pm 0.2	1.6 \pm 0.2	0.8 \pm 0.3	1.2 \pm 0.2
B2	T	3.5 \pm 0.3	3.2 \pm 0.1	2.8 \pm 0.3	1.9 \pm 0.3	0.8 \pm 0.3	2.2 \pm 0.2
C	C	6.0 \pm 0.3	5.8 \pm 0.1	3.2 \pm 0.3	2.5 \pm 0.3	1.3 \pm 0.3	2.2 \pm 0.2
D	D	7.3 \pm 0.3	7.1 \pm 0.1	4.3 \pm 0.3	2.8 \pm 0.3	1.3 \pm 0.3	2.4 \pm 0.2

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

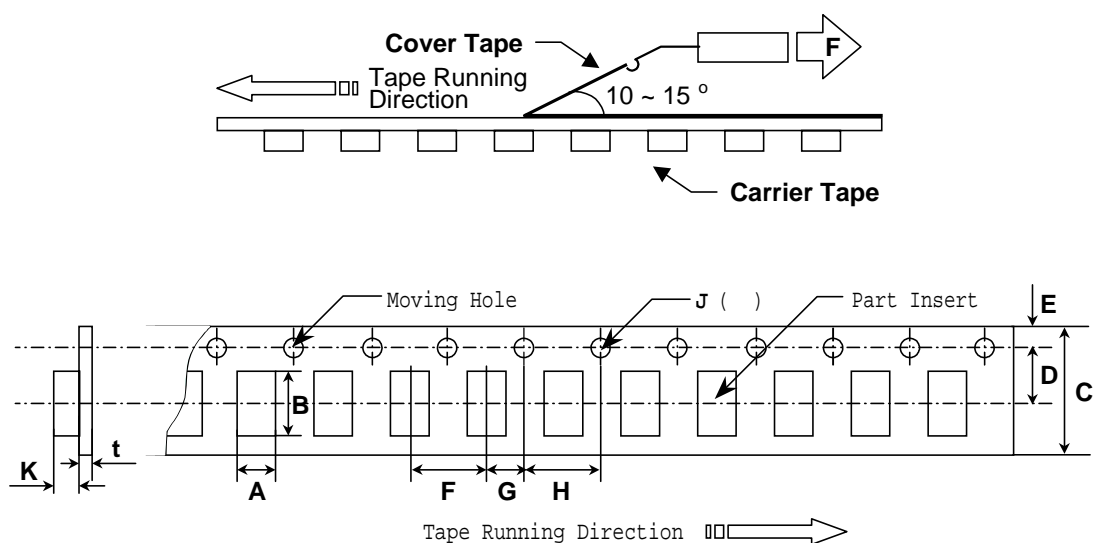
Capacitance	Range	4.7 μ F to 330 μ F							
	Tolerance	\pm 20%(M), \pm 10%(K)							
Dissipation Factor (tan δ)	C \leq 1.0 μ F	D.F \leq 4.0%							
	1.5 μ F \leq C \leq 68 μ F	D.F \leq 8.0%							
	100 μ F \leq C	D.F \leq 10.0%							
Leakage Current		between 0.01CV and 0.5 μ A, whichever is higher							
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 $^{\circ}$ C	4.0	6.3	10.0	16.0	20.0	25.0	35.0	50.0
	85 < T \leq 125 $^{\circ}$ C	2.5	4.0	6.3	10.0	13.0	16.0	22.0	32.0
Surge Voltage (V _S)	T \leq 85 $^{\circ}$ C	5.2	8.0	13.0	20.0	25.0	32.0	44.0	63.0
	85 < T \leq 125 $^{\circ}$ 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

W.V		6.3	10	16	20	25	35	50
1.0	105							
1.5	155							
2.2	225							
3.3	335							
4.7	475						C(600)	
6.8	685							D(500)
10	106					C(500)		
15	156				C(450)	C(300)	D(300)	
22	226			C(350)	C(300)	D(200)	D(300)	
33	336		C(375)	C(300)	D(200)	D(300)		
47	476	C(350)		D(150)				
68	686				D(150)			
100	107		D(100)	D(125)				
150	157		D(100)					
220	227	D(100)	D(100)					
330	337	D(100)						() : ESR Upper Limit

TAPE AND REEL DIMENSIONS

- Tape : Semitransparent emboss tape
- Cover tape : Attached for heating press polyester or adhesive cover tape
- The tension of removing cover tape
 - Heating press : $F = 50 \pm 20g$
 - Adhesive : $F = 30 \pm 15g$



- TE Series Carrier tape dimensions

Classification	Size A	Size B2	Size C	Size D
A	1.90 ± 0.1	3.2 ± 0.1	3.69 ± 0.1	4.80 ± 0.1
B	3.50 ± 0.1	3.83 ± 0.1	6.49 ± 0.1	7.79 ± 0.1
C	8.0 ± 0.3	8.0 ± 0.3	12.0 ± 0.3	12.0 ± 0.3
D	3.5 ± 0.05	3.5 ± 0.05	5.50 ± 0.05	5.50 ± 0.05
E	1.75 ± 0.1	1.75 ± 0.1	1.75 ± 0.1	1.75 ± 0.1
F	4.0 ± 0.1	4.0 ± 0.1	8.0 ± 0.1	8.0 ± 0.1
G	2.0 ± 0.05			
H	4.0 ± 0.1			
J	$1.5 + 0.1, -0.0$			
t	0.23 ± 0.02	0.23 ± 0.02	0.28 ± 0.02	0.28 ± 0.02
K	1.92 ± 0.1	2.17 ± 0.1	2.75 ± 0.2	3.0 ± 0.2

TE SERIES RATINGS & PART NUMBER REFERENCE

Capacitance (μF)	SIZE	Part No.	$\tan \delta$ (25 $^{\circ}\text{C}$) (%)	ESR(25 $^{\circ}\text{C}$) (Ω , 100kHz)	LC(25 $^{\circ}\text{C}$) (μA)	Ripple Current (25 $^{\circ}\text{C}$, mA)
Rated Voltage: 6.3V						
47	C	TEM0J476C SSR	8	0.350	2.96	530
100	C	TEM0J107C SSR	10	0.150	6.30	810
150	D	TEM0J157D SSR	10	0.100	15.00	1,100
220	D	TEM0J227D SSR	10	0.100	13.86	1,100
330	D	TEM0J337D SSR	10	0.100	20.79	1,100
Rated Voltage : 10V						
33	C	TEM1A336C SSR	8	0.375	3.30	510
100	D	TEM1A107D SSR	10	0.100	10.00	1,100
		TEM1A107D GSR	10	0.150	10.00	1,100
150	D	TEM1A157D SSR	10	0.100	15.00	1,100
220	D	TEM1A227D SSR	10	0.100	22.00	1,100
330	E	TEM1A337D SSR	10	0.100	33.00	1,100
Rated Voltage : 16V						
22	C	TEM1C227C SSR	8	0.375	3.52	510
33	C	TEM1C336C SSR	8	0.200	5.28	710
47	D	TEM1C476D SSR	8	0.150	7.52	890
100	D	TEM1C107D SSR	10	0.125	16.00	980
Rated Voltage : 20V						
15	C	TEM1D156C SSR	8	0.450	3.00	470
33	D	TEM1D336D SSR	8	0.200	6.60	770
68	D	TEM1D686D SSR	8	0.150	13.60	890
Rated Voltage : 25V						
10	C	TEM1E106C SSR	8	0.500	2.50	440
22	D	TEM1E226D SSR	8	0.200	5.50	770
33	D	TEM1E336D SSR	8	0.300	8.25	630
Rated Voltage : 35V						
4.7	C	TEM1V475C SSR	6	0.600	1.64	400
15	D	TEM1V156D SSR	8	0.300	5.25	630
22	D	TEM1V226D SSR	8	0.300	7.70	630
Rated Voltage : 50V						
6.8	D	TEM1H685D SSR	8	0.500	3.40	490