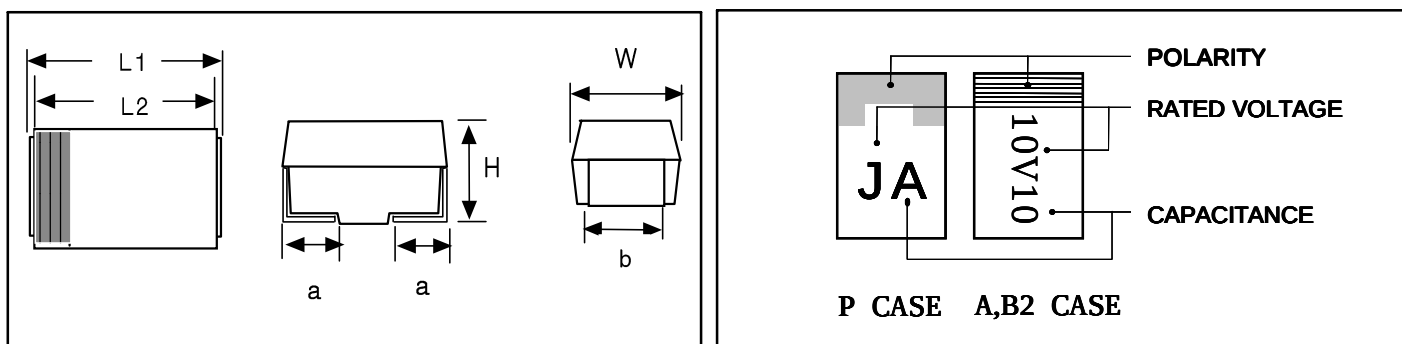




FEATURES

- Conductive Polymer Electrolyte
- Ultra Low ESR
- 100% Surge Current Test on each size
- Capacitance Range : $1.0\mu\text{F} \sim 100\mu\text{F}$
- Voltage Range : 4 VDC to 10VDC

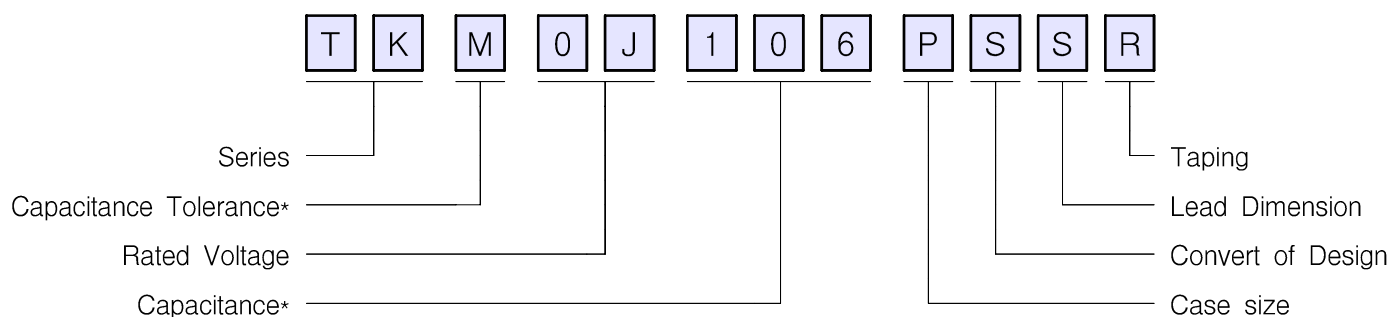
CASE DIMENSIONS AND MARKINGS



(Unit : millimeters)

Size	Code	L1	W	H	a	b
P	P	2.0 ± 0.2	1.25 ± 0.2	1.2 max.	0.5 ± 0.2	0.9 ± 0.1
A	A	$3.2^{+0.2}_{-0.1}$	1.6 ± 0.2	1.6 ± 0.2	0.8 ± 0.3	1.2 ± 0.2
B2	T	3.5 ± 0.3	2.8 ± 0.3	1.9 ± 0.3	0.8 ± 0.3	2.2 ± 0.2

ORDERING INFORMATION



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

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

SPECIFICATIONS

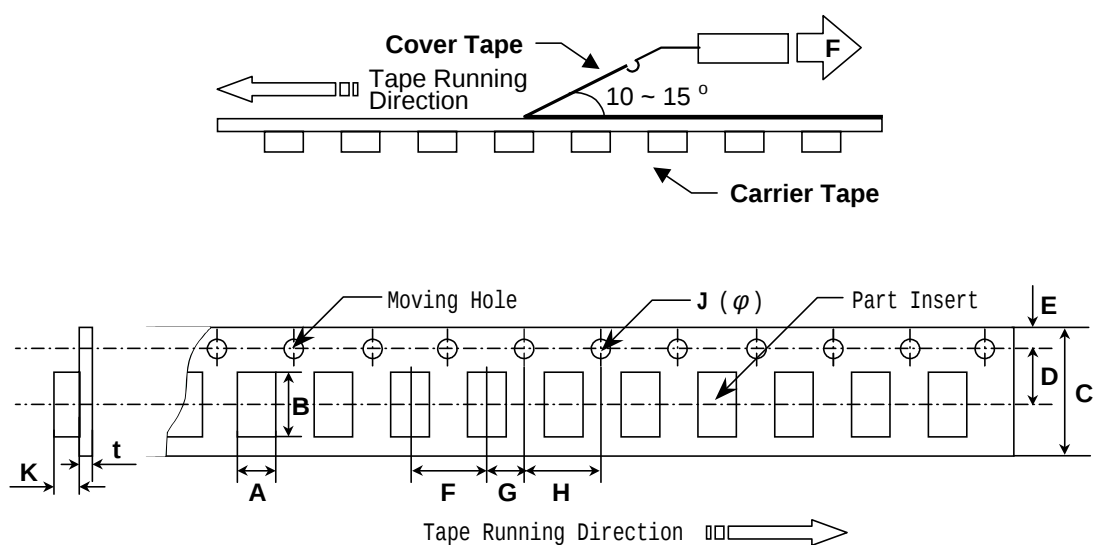
Capacitance	Range	1.0 μ F to 100 μ F			
	Tolerance	$\pm 20\%$ (M)			
Dissipation Factor ($\tan \delta$ at 120Hz)		D.F $\leq 10.0\%$			
Leakage Current		between 0.1CV and 3.0 μ A, whichever is higher			
Rated Voltage (V _R)		4.0	6.3	10.0	16.0
Operating Voltage (V _O)	T $\leq 85^{\circ}\text{C}$	4.0	6.3	10.0	16.0
	85 < T $\leq 105^{\circ}\text{C}$	2.5	4.0	6.3	10.0
Surge Voltage (V _S)	T $\leq 85^{\circ}\text{C}$	5.2	8.0	13.0	20.0
	85 < T $\leq 105^{\circ}\text{C}$	3.2	5.0	8.0	13.0
Operating Temperature		-55 $^{\circ}\text{C}$ to 105 $^{\circ}\text{C}$			

TK Series Ratings and Part Number Reference

Capacitance (μ F)	SIZE	Part No.	$\tan \delta$ (%) (at 120Hz, 25 $^{\circ}\text{C}$ max)	ESR (m Ω) (at 100KHz, 25 $^{\circ}\text{C}$ max)	L.C (μ A) (25 $^{\circ}\text{C}$ max)	Ripple Current (mA _{rms})
Rated Voltage : 4 W.V						
10	P	TKM0G106PSSR	10.0	500	4.0	450
Rated Voltage : 6.3 W.V						
2.2	A	TKM0J225ASSR	10.0	500	3.0	450
4.7	P	TKM0J475PSSR	10.0	500	3.0	450
4.7	A	TKM0J475ASSR	10.0	500	3.0	450
10	P	TKM0J106PSSR	10.0	500	6.3	450
10	A	TKM0J106ASSR	10.0	500	6.3	450
15	A	TKM0J156ASSR	10.0	500	9.5	450
Rated Voltage : 10 W.V						
1.0	P	TKM1A105PSSR	10.0	500	3.0	500
2.2	P	TKM1A225PSSR	10.0	500	3.0	500
2.2	A	TKM1A225ASSR	10.0	500	3.0	500
4.7	P	TKM1A475PSSR	10.0	500	4.7	500
4.7	A	TKM1A475ASSR	10.0	500	4.7	500
10	A	TKM1A106ASSR	10.0	500	10.0	500
10	B2	TKM1A106TSSR	10.0	500	10.0	500

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 : $F = 30 \pm 15g$



- TK series Carrier tape dimensions

	P SIZE	A SIZE	B2 SIZE
A	1.5 ± 0.1	1.82 ± 0.1	3.2 ± 0.1
B	2.2 ± 0.1	3.42 ± 0.1	3.83 ± 0.1
C	8.0 ± 0.3	8.0 ± 0.3	8.0 ± 0.3
D	3.5 ± 0.1	3.5 ± 0.05	3.5 ± 0.05
E	1.75 ± 0.1	1.75 ± 0.1	1.75 ± 0.1
F	4.0 ± 0.1	4.0 ± 0.1	4.0 ± 0.1
G	2.0 ± 0.1	2.0 ± 0.05	
H	4.0 ± 0.1	4.0 ± 0.1	
J	$1.5 + 0.1, -0.0$	$1.5 + 0.1, -0.0$	
t	0.25 ± 0.02	0.23 ± 0.02	0.23 ± 0.02
K	1.6 max	1.92 ± 0.1	2.17 ± 0.1