

TK SERIES

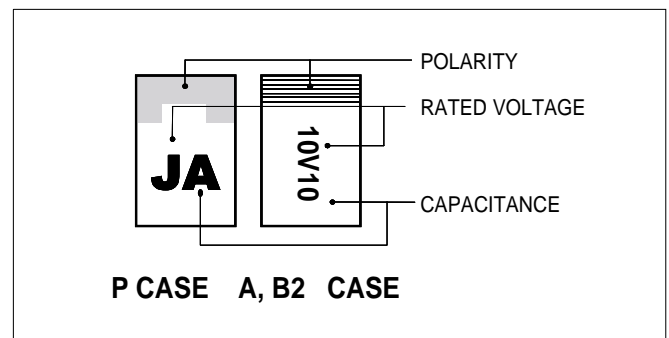
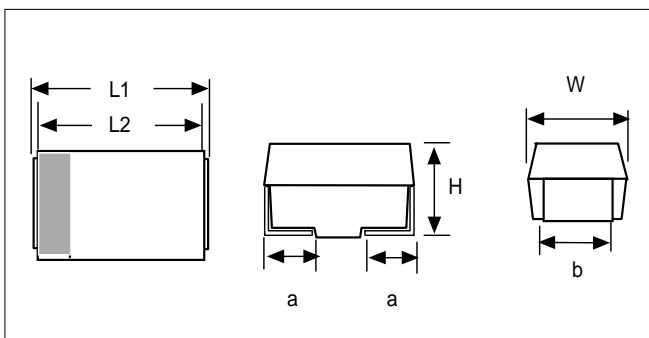
TANTALUM CAPACITOR



FEATURES

- Conductive Polymer Electrolyte
- Ultra Low ESR
- 100% Surge Current Test on each size
- Capacitance Range : 1.0 μ F ~ 100 μ F
- Voltage Range : 4 VDC to 10VDC

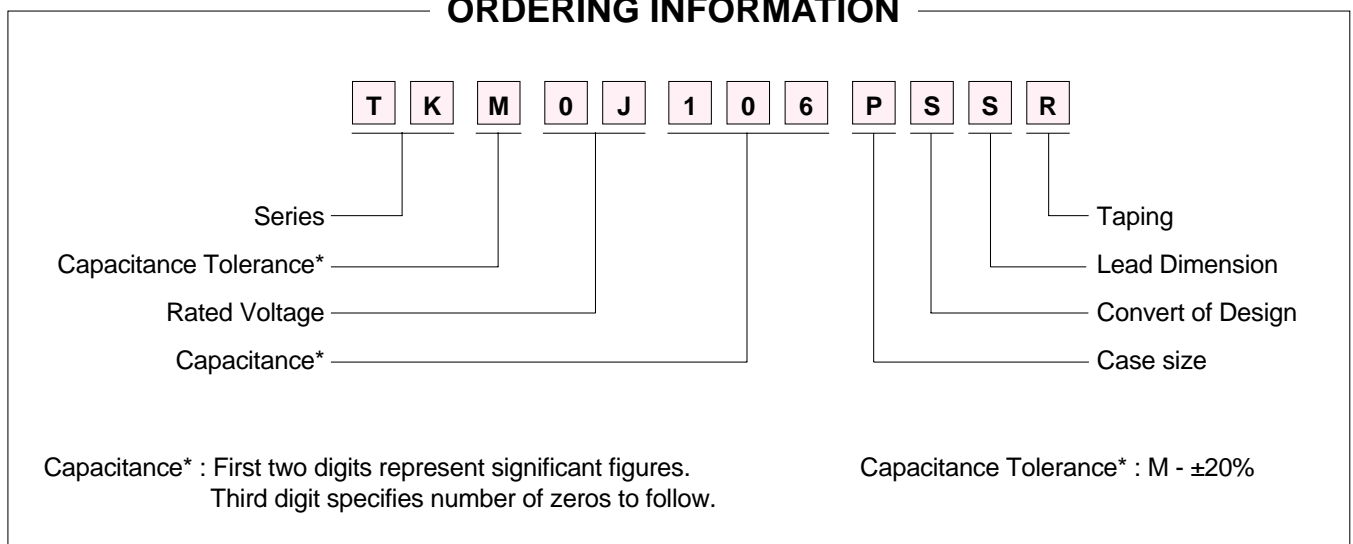
CASE DIMENSIONS AND MARKINGS



(unit : mm)

Size	Code	L1	W	H	a	b
P	P	2.0 \pm 0.2	1.25 \pm 0.2	1.2 max.	0.5 \pm 0.2	0.9 \pm 0.1
A	A	3.2 +0.2 -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	2.8 \pm 0.3	1.9 \pm 0.3	0.8 \pm 0.3	2.2 \pm 0.2

ORDERING INFORMATION



SPECIFICATIONS

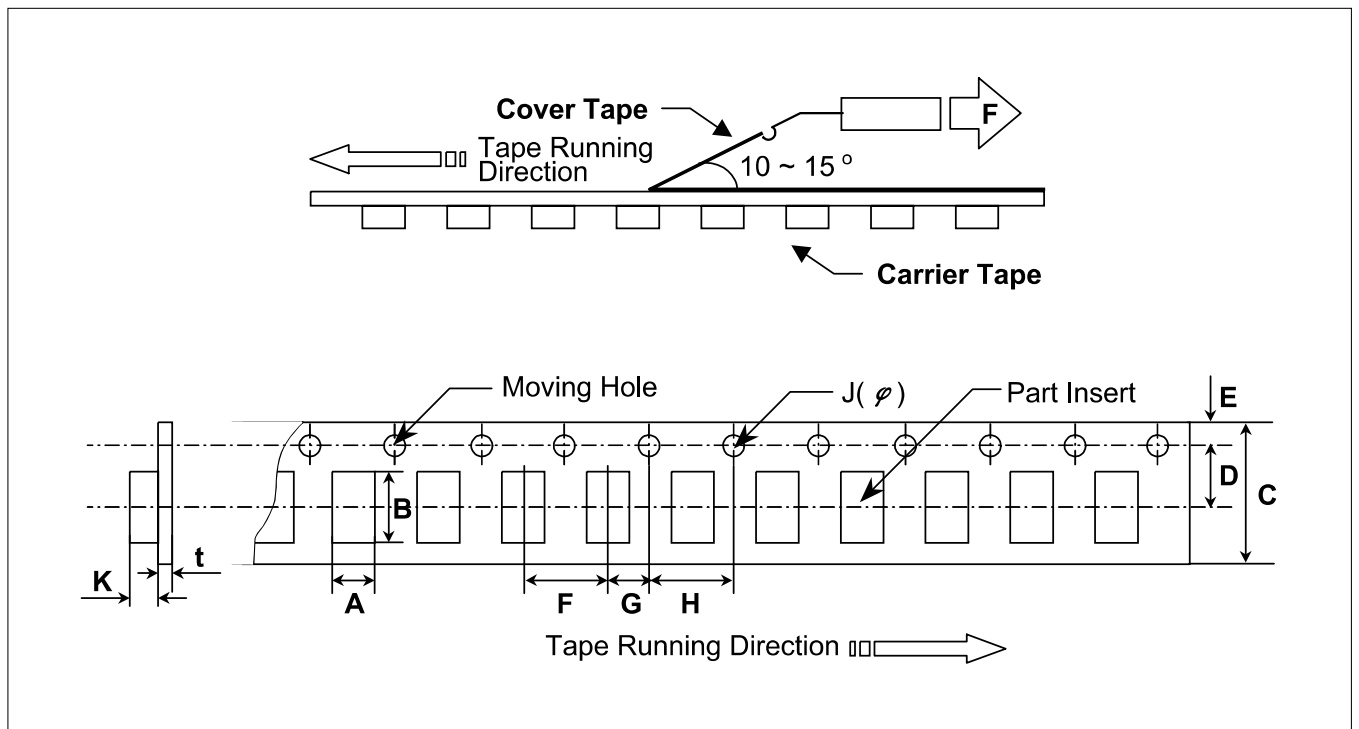
Capacitance	Range	1.0 μ F to 100 μ F			
	Tolerance	\pm 20%(M)			
Dissipation Factor (tan δ at 120Hz)		D.F \leq 10.0%			
Leakage Current		between 0.1CV and 3.0 μ A, whichever is higher			
Rated Voltage (V _R)		4.0	6.3	10.0	16.0
Operating Voltage (V _O)	T \leq 85°C	4.0	6.3	10.0	16.0
	85 < T \leq 125°C	2.5	4.0	6.3	10.0
Surge Voltage (V _S)	T \leq 85°C	5.2	8.0	13.0	20.0
	85 < T \leq 125°C	3.2	5.0	8.0	13.0
Operating Temperature		-55°C to 105°C			

TK SERIES RATINGS & PART NUMBER REFERENCE

Capacitance (μ F)	SIZE	Part No.	tan δ (%) (at 120Hz, 25°C max)	ESR (m Ω) (at 100KHz, 25°C max)	L.C (μ A) (25°C max)	Ripple Current (mArms)
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±20g
 - Adhesive : F = 30±15g



- TK series Carrier tape dimensions

(unit : mm)

Classification	P SIZE		A SIZE	B2 SIZE
	Standard	Standard		
A	1.50 ± 0.1	1.50 ± 0.1	1.82±0.1	3.2±0.1
B	2.2 ± 0.1	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	8.0±0.3
D	3.5 ± 0.1	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	1.75±0.1
F	4.0 ± 0.1	4.0 ± 0.1	4.0±0.1	4.0±0.1
G	2.0 ± 0.1	2.0 ± 0.1	2.0±0.05	
H	4.0 ± 0.1	4.0 ± 0.1	4.0±0.1	
J	1.5 +0.1, -0.0	1.5 +0.1, -0.0	1.5+0.1,-0.0	
t	0.2 ± 0.02	0.2 ± 0.02	0.23±0.02	0.23±0.02
K	1.6 MAX	1.6 MAX	1.92±0.1	2.17±0.1
Packing Quantity	3,000 pcs/Reel	6,000 pcs/Reel	2,000pcs/Reel	2,000pcs/Reel
Inner Box	5 Reels (15kp)	4 Reels (24kp)	5 Reels (10kp)	5 Reels (10kp)
Outer Box	10 Inner boxes (150kp)	6 Inner boxes (144kp)	10 Inner Boxes(100kp)	10 Inner Boxes(100kp)