Inspired by innovation

PASSIVENTS



METALLIZED POLYESTER FILM CAPACITORS
X2 METALLIZED POLYPROPYLENE FILM CAPACITORS (310VAC)
POWER FILM CAPACITOR, DC-LINK CAPACITORS
AC-LINK CAPACITORS



X2 METALLIZED POLYPROPYLENE FILM CAPACITOR						
FKT-MX	310VAC	-40°C~+110°C	0.0047μF-10μF			
вох түн	PE METALLIZED POLYESTER FILM CAP	ACITOR				
FKT-MB	63V, 100V, 160V, 250V, 400V, 630V DC	-40°C~+85°C	0.0010μF-2.2μF			
вох түн	PE METALLIZED POLYPROPYLENE FIL	M CAPACITOR				
FKT-MF	250, 400, 630V DC	-40°C~+85°C	0.0047μF-3.9μF			
ніднус	LTAGE BOX TYPE METALLIZED POLY	PROPYLENE FIL	M CAPACITOR			
FKT-MH	1000V, 1400/1600V, 2000V DC	-40°C~+105°C	$0.00022 \mu F\text{-}0.22 \mu F$			
METALL	METALLIZED POLYESTER FILM CAPACITOR					
FKT-MC	100V, 250V, 400V, 630V DC	-40°C~+85°C	0.01μF-6.8μF			
MYLAR	POLYESTER FILM CAPACITOR					
FKT-MP	100V,250V,400V,630V,1000V,1200V DC	-40°C~+85°C	0.001μF-0.22μF			
METALL	IZED POLYPROPYLENE FILM CAPACIT	OR				
FKT-ME	100V,250V,400V,630V DC	-40°C~+85°C	0.01μF-8.2μF			
HIGH VOLTAGE METALLIZED POLYPROPYLENE FILM CAPACITOR						
FKT-MG	1000V, 1250V, 1500V, 1600V, 2000V DC	-40°C~+85°C	0.001μF-0.15μF			
MINI SIZE METALLIZED POLYESTER FILM CAPACITOR						
FKT-MD	50/63V, 100V, 250V, 400V, 630V DC	-40°C~+85°C	0.001μF-3.3μF			



Kt® Aluminum Electrolytic Capacitors



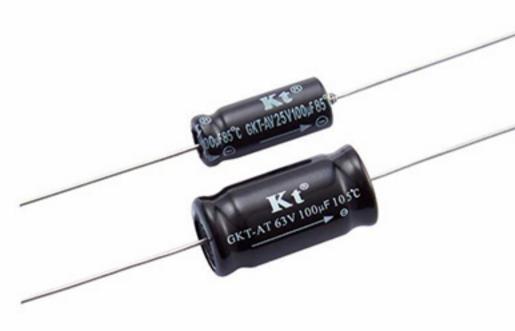
Aluminum Electrolytic Capacitors - SMD Type					
Kingtronics Series	Load Life	Temperatures	Characteristic		
GKT-VA	2000H	85°C	Standard		
GKT-VT	1000H~2000H	105°C	Standard		
GKT-VC	2000H	105°C	Low Leakage Current		
GKT-VE	2000H-3000H	105°C	Long Life		
GKT-VK	2000H-3000H	105°C	Extra Lower Impedance		
GKT-VL	3000H-5000H	105°C	Extra Long Life		
GKT-VN	2000H	105°C	Bi-polar		
GKT-VZ	1000H-2000H	105°C	Low Impedance		
GKT-VU	3000H	105°C	Long Life		
GKT-VD	5000H	105°C	Long Life		
GKT-VW	10000H	105°C	Long Life		
GKT-VH	1000H-2000H	125°C	Long Life		
GKT-VF	2000H-5000H	105°C	Super Low Impedance		
GKT-VR	2000H-3000H	105°C	Small Size		
GKT-VX	2000H	105°C	Small Size		
GKT-VY	2000H	105°C	Small Size		
GKT-VJ	2000H	105°C	Small Size		



Polymer Aluminum Solid Electrolytic Capacitors					
Kingtronics Series	Load Life	Temperatures	Characteristic		
GKT-AS	2000H	105°C	Standard Low ESR		
GKT-AR	2000H	105°C	Super Low ESR		
GKT-AP	2000H	105°C	Low ESR		
GKT-AU	2000H	125°C	High Ripple Current		
GKT-AX	2000H	125°C	High Temperature		



Aluminum Electro	lytic Capacitors -	Radial Type	
Kingtronics Series	Load Life	Temperatures	Characteristic
GKT-GS	2000H	85°C	Super Miniaturized
GKT-GT	2000H	105°C	High Temperature
GKT-GH	2000H	105°C	Low Impedance
GKT-GL	5000H	105°C	Long Life
GKT-GD	3000H~6000H	105°C	Miniaturized, long life
GKT-GE	5000H	130°C	Long life
GKT-GF	5000H	105°C	Miniaturized, high stability
GKT-GQ	4000H~10000H	105°C	Long life, Miniature
GKT-GR	3000H~6000H	105°C	Long life, High frequency
GKT-GU	3000H	105°C	Long life, Miniature
GKT-GZ	6000H-10000H	105°C	Extremely long life
GKT-GN	1000H	105°C	Non-Polarized
GKT-GW	2000H	105°C	Extra Lower Impedance



Aluminum Electroly	tic Capacitors -	Axial Type	
Kingtronics Series	Load Life	Temperatures	Characteristic
GKT-AL	2000H	85°C	Low Leakage Current
GKT-AV	2000H	85°C	Standard
GKT-AT	1000H	105°C	Standard
GKT-AA	1000H	105°C	Audio, DF at Max 4% BP
GKT-AM	1000H	105°C	Audio, DF at Max 5% BP
GKT-AN	1000H	105°C	Audio, DF at Max 10% BP
GKT-AQ	1000H	105°C	Audio, DF at Max 10% BP
GKT-AB	2000H	105°C	Non-Polarized
GKT-AC	2000H	105°C	Bi-Polarized
GKT-AD	1000H	105°C	Audio,Standard





Aluminum Electrolytic Capacitors - Snap-in, Lug and Screw Type					
Kingtronics Series	Load Life	Temperatures	Characteristic		
GKT-SB	1000H	85°C	Snap-in, High Ripple Current		
GKT-SS	2000H	85°C	Snap-in, High Ripple Current		
GKT-ST	2000H	105°C	Snap-in, High Ripple Current		
GKT-SC	5000H	85°C	Snap-in, High Ripple Current		
GKT-SD	3000H	105°C	Snap-in, High Ripple Current		
GKT-CA	2000H	85°C	Screw, High Ripple Current		
GKT-CB	2000H	105°C	Screw, High Ripple Current		
GKT-UA	1000H	85°C	Lug, Standard product		

Super Capacitors (Standard Coin-Type, Radial Type, Snap-in Type, Screw Type Terminals)

DKT-DA Series	
Kingtronics Series	DKT-DA
Rated Voltage V _R	5.5V
Surge Voltage	5.8V
Capacity Range	0.1F~1.5F
Operating Temperature Range	-25°C~+70°C







Normal temperature cycle life: 25°C, 500,000 cycles between VR and 1/2VR, Capacity attenuation≤30%, ESR change≤4 times.

Product Life

High temperature endurance life: 70°C, maintain VR, 1000 hours. Capacity attenuation≤30%, ESR change≤4 times.

DKT-DZ Series	High power typ		
Kingtronics Series	DKT-DZ 2R7	DKT-DZ 3R0	. Radial type, Snap-in type, Screw Type terminal
Rated Voltage V _R	2.7V		. High energy and high power
Surge Voltage	2.85V	3.15V . Low ESR	
Capacity Range	0.1F~3000F	1F~500F	. Pb-free and RoHS compliant
Operating Temperature	-40°C~+70°C	-40°C~+65°C	
	Normal temp	erature cycle li	fe: 25°C, 1 million cycles between VR and 1/2VR



Capacity attenuation≤30%, ESR change≤4 times.

High temperature endurance life: Maximum temperature retention VR : 100

High temperature endurance life: Maximum temperature retention VR → 1000 hours.Capacity attenuation≤30%, ESR change≤4 times.

DKT-DM Serie	DKT-DM Series Low Internal Resistance Type				
Kingtronics Series	DKT-DM 5R5	DKT-DM 7R5	DKT-DY 5R0	DKT-DY 7R5	
Rated Voltage V _R	5.5V	7.5V	5.0V	7.5V	
Surge Voltage	5.8V	7.9V	5.4V	7.9V	
Capacity Range	0.1F~5F	0.1F~3.3F	0.1F~5F	0.1F~3.3F	
Operating Temperature	-40~ +70°C		-25~	+70°C	

Normal temperature cycle life: 25°C, 1 million cycles between VR and 1/2VR, Capacity attenuation≤30%, ESR change≤4 times.

Product Life

High temperature endurance life: Maximum temperature retention VR , 1000 hours. Capacity attenuation≤30%, ESR change≤4 times.

DKT-DX Radial Typ	e Super Capacitor			
Operating Voltage Range	2.5V~3.8V	_This product adopts the shape of a cylindrical capacitor. The interi		
Surge Voltage	4.2V	a wound structure, and the positive and negative electrodes are		
Cut-off discharge voltage	2.5V	separated by a separator and impregnated with electrolyte components; the aluminum casing is sealed with a rubber stopper, the		
Cap. Tolerance	-20%~+20%	lead-out method is wire lead-out, and the lead-out pole is on the same		
Operating Temp.	-20°C~65°C; -20°C~85°C (3.5V)	side of the product		
Self Discharge (3months)	3.0V			
Cycle life Expectancy	Normal temperature cycle life	e: 250,000times. △ C/C ≤30%, ESR≤2 times the specified value		
High temperature load	+65°C rated voltage, or +85°C 3.5V	voltage, after 1000h, △ C/C ≤30%, ESR≤2 times the specified value		
High temperature without load	+65°C, after 1000h, △ C/C ≤30%, ESR≤2 times the specified value			
Temperature characteristics	$+70^{\circ}C \mid \triangle C/C \mid \le 30\%$, ESR \le specified value; $-20^{\circ}C \mid \triangle C/C \mid \le 50\%$, ESR ≤ 4 times the specified value			
The steady state damp heat test	+40°C, 9095%RH	, 240h, △ C/C ≤30%, ESR≤2 times the specified value		

Kt® SMD 3mm Chip Ceramic Trimmer Capacitors

	KKT303TR	KKT306TR	KKT310TR	KKT320TR	KKT330TR
Item Part No	3pF	6pF	10pF	20pF	30pF
	Black	Blue	Ivory	Pink	Green
Capacitance(pF Min)	1.5 MAX	2.0 MAX	3.0 MAX	5.5 MAX	8.0MAX
Capacitance(pF Max)	3.0+50-0%	6.0+50-0%	10.0+50-0%	20.0+50-0%	28.5 +50 -0%
Capacitance Drift (Max)	±2%	±2%	±2%	±3%	±3%
Temperature Coefficient (ppm/°C)	NPO±300	NPO±200	N600±400	N900±400	N1300±400
Q Value (at 1 Mhz, C max)	300min	500 min	700 min	500 min	250 min
DC Working Voltage			100 V DC		
DC Withstanding Voltage			220 V DC		
Insulation Resistance			10⁴MΩMin		
Operating Temperature			-25°C to 85°C		
Rotation Torque			15~72 gf.cm		



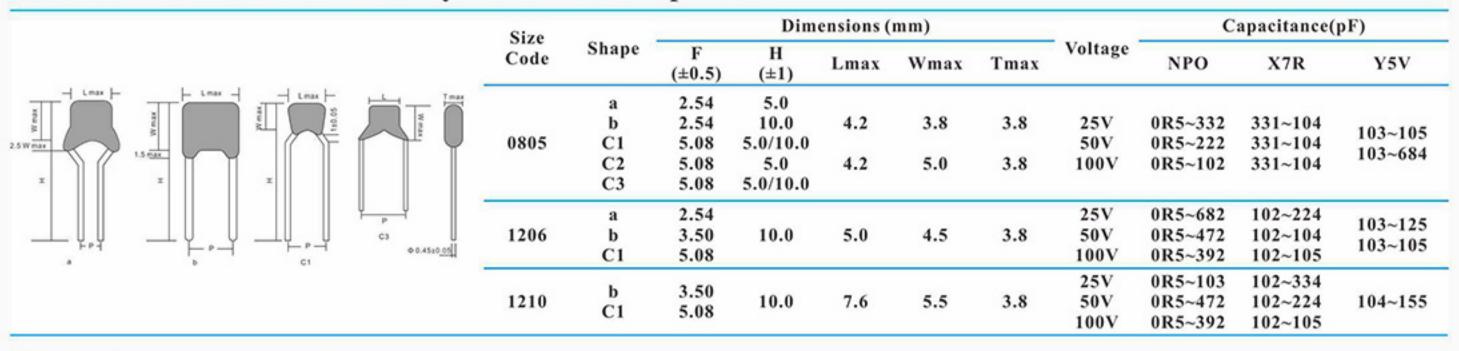


Model

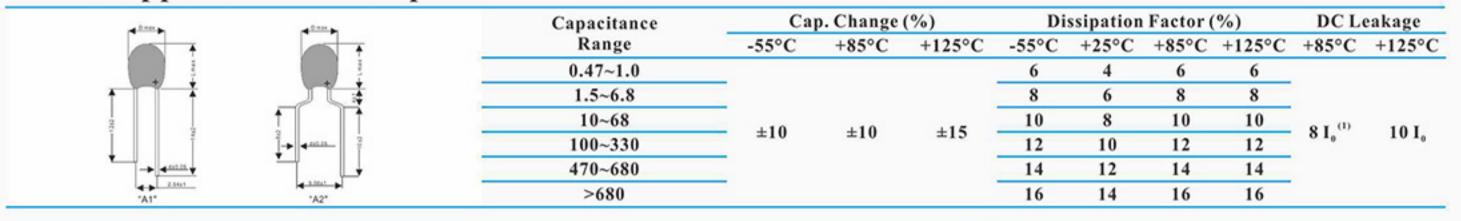
Kingtronics[®] International Company

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Kt® MKT - Radial Multilayer Ceramic Capacitors



TKT - Dipped Tantalum Capacitors





LKT - Chip Multilayer Ceramic Capacitors HKT - High Voltage Chip MLCC Capacitors

	LKT	нкт
Voltage	4, 6, 6.3, 10, 25, 50 V DC	100, 200, 250, 500, 630, 1000, 2000V DC
Capacitance	0.1pF ~ 100μF	0.2pF~4.7μF
Terminations	Tin / Nickel	Tin / Nickel
Tolerance	$\pm 0.1 pF$, $+80 \sim -20\%$	A=±0.05pF, B=±0.1pF, C=±0.25pF, D=±0.5pF, J=±5% K=±10%, M=±209
Packing	Tape and Reel (0201, 0402, 0603, 0805, 1206, 1210, 1812, 1808, 2220, 2225)	N=Bulk, T=Tape & Reel.
Dielectric & Values	NPO X7R X5R X7T X7S X6S Y5V consult product pages of catalog for cap ranges and voltage rating	NPO(COG), X7R, X5R, X7T, X7S, X6S, Y5V

CKT - Chip Tantalum Capacitors

	Capacitance	Capacitance Change (%)			DF Max. (%)			DCL Max. (μA)			
	(μ F)	-55°C	+85°C	+125°C	-55°C	+25°C	+85°C	+125°C	+85°C	+125°C	
	≤1.0	1.5 ~ 68 ±10	±10	±12	6	4	6	6	+10 Io	+12 Io	- H () W ¹ () W ²
	1.5 ~ 68				10	6	10	10			
	100~470				14	12	14	14			4-5→ 4-5→ 4

EKT - Low ESR Chip Tantalum Capacitors

Technical Data	All technical data relate to an ambient temperature of +25°C												
Capacitance Range	$0.47 \mu F \sim 1000 \mu F \\ \pm 10\% \; ; \; \pm 20\%$												
Capacitance Tolerance													
Rated Voltage (V _R)	≤+85°C	4	6.3	10	16	20	25	35	50	63			
Category Voltage(Vc)	≤+125°C	2.7	4	6. 3	10	15	17	23	33	40			
Surge Voltage (Vs)	≤+85°C	5.2	8	13	20	26	32	46	65	82			
Surge Voltage (Vs)	≤+125°C	3.4	5	8	13	16	20	28	40	50			
Temperature Range	-55°C to +125°C												
Termination Finished	Sn Plating (standard), Gold and SnPb Plating upon request												