Trimming Potentiometers • Bridge Rectifiers • Diodes & Transistors • Surge Arresters • OSC & Quartz Crystals • MLCC & Tantalum Capacitors

Kingtronics®

GKT-VJ

Aluminum Electrolytic Capacitor – SMD

FEATURES

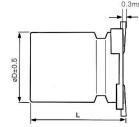
- ◆ Endurance : 105°C 2000H.
- Specially designed for LED display screen.
- Designed for reflow soldering.
- Designed for surface mounting on high-density PCB.

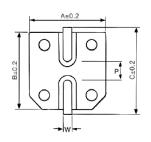
SPECIFICATIONS



OPERATING TEMPERATURE	-40℃ ~+105℃								
Voltage Range	10V ~ 16V.DC								
Capacitance Range	220µF								
Capacitance Tolerance	±20% at 120Hz, 20°C								
Leakage Current	Leakage current≤0.01CV or 3µA,, whichever is greater. (After 2 minutes' application of rated voltage)								
	Measurement Frequency:	Measurement Frequency: 120Hz, Temperature: 20°C							
Dissipation Factor (Tan δ)	Rated Voltage (V)	10		10		16			
	Tan δ (Max.)		0.24		0.20				
	Measurement Frequency:	Measurement Frequency: 120Hz							
Characteristics at Low Temperature	Rated Voltage (V		/)	10		16			
	Impedance Ratio ZT/Z20) Z	Ź(-25℃)/ Z(+20℃)	4		3			
	(Max.)	Z	Ź(-40℃)/ Z(+20℃)	8			6		
	After applying rated working voltage for 2000 hours at +105 $^{\circ}C \pm 2^{\circ}C$, and then being stabilized at +20 $^{\circ}C$, capacitors shall meet the following limits.								
Endurance	Capacitance Change		Within ±30% of the initial value						
	Dissipation Factor		Less than 300% of the initial value						
	Leakage Current		Within the initial	limit	0.20 16 3 6 n being stabilized at +20°C, capacitors shall meet ng stabilized at +20°C, capacitors shall meet the				
Shelf Life	After storage for 1000 h at +105 °C ±2 °C with no voltage applied and then being stabilized at +20 °C, capacitors shall meet the limits specified in endurance.								
	After reflow soldering and then being stabilized at +20°C, capacitors shall meet the following limits.								
Resistance to Soldering Heat	Capacitance Change Within ± 10% of initial value								
	Dissipation Factor Within the init			l limit					
	Leakage Current	eakage Current Within the initial			imit				
Frequency Correction Factor for Ripple	Frequency	50Hz		120Hz	1kHz		10kHz≦		
Current	Correction Factor	0.7		1.0	1.2		1.3		

DRAWING (Unit: mm)





*1 Product Markings: KtJ, KJ, AJK

T Product Warkings: KiJ,	i Froduct Markings: KJ, KJ, AJK						
ΦD	L	А	В	С	W	P±0.2	
6.3	5.7	6.6	6.6	7.3	0.5~0.8	2.2	
6.3	7.7	6.6	6.6	7.3	0.5~0.8	2.2	

STANDARD RATINGS

	WV/V	10		16		-			
Cap/µF		1.	A	1C		-			
220	221	6.3x5.7	75	6.3x7.7	110				
						Case Size	Ripple Current at 105 [°] C 120Hz		

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1