

## KF Series

5mmL(高), +105°C

本商品编码的规格参数是：47uF/25V,6.3\*5mm

### FEATURES

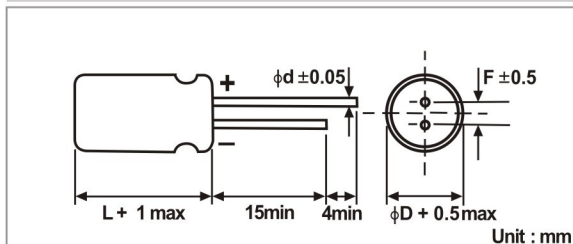
1. Super miniature, 5mmL, high temperature, suitable for use in electronic circuit of high density assembly of videocorder, remote controller, VCD etc.



### SPECIFICATIONS

Item	Performance Characteristics							
Operating Temperature Range	-40 to +105°C							
Rated Working Voltage Range	4 to 50V							
Nominal Capacitance Range	0.1 to 330μF							
Capacitance Tolerance	±20% (120Hz, +20°C)							
Leakage Current	I ≤ 0.01CV or 3(μA) whichever is greater measured after 2 minutes application of rated working voltage at +20 C							
tan δ (120Hz, +20°C)	Working Voltage (V)	4	6.3	10	16	25	35	50
	tan δ (max.)	0.37	0.28	0.24	0.20	0.16	0.13	0.12
Low Temperature Characteristics	Impedance ratio max. at 120Hz							
	Working Voltage (V)	4	6.3	10	16	25	35	50
	Z-25°C / Z+20°C	6	3	3	2	2	2	2
	Z-40°C / Z+20°C	12	8	5	4	3	3	3
High Temperature Loading	Test conditions				Post test requirements at +20°C			
	Duration : 1000 hours	Ambient temp. : +105°C			Applied voltage : Rated DC working voltage with rated ripple current			Leakage current : ≤ Initial specified value
Shelf Life	Test conditions				Post test requirements at +20°C			
	Duration : 1000 hours	Ambient temp. : +105°C			Applied voltage : (None)			Leakage current : ≤ Initial specified value
Others	JIS C - 5101 (IEC 60384)							

### CASE SIZE TABLE



φD	4	5	6.3	8
F	1.5	2.0	2.5	2.5
φd	0.45			

### RIPPLE CURRENT MULTIPLIER

Frequency Coefficient						
Cap(μF)	Coefficient	Freq.(Hz)				
≤ 47	0.75	120	300	1k	10k~	
		1.00	1.35	1.57	2.00	
68~330	0.80	1.00	1.23	1.34	1.50	

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### STANDARD RATINGS

Voltage (Code)		4V (0G)		6.3V (0J)		10V (1A)		16V (1C)	
Cap.( $\mu$ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current
0.1	104								
0.22	224								
0.33	334								
0.47	474								
1	105								
2.2	225								
3.3	335								
4.7	475								
10	106							4 x 5	18
22	226	4 x 5	22	4 x 5	22	4 x 5	24	5 x 5	30
33	336	5 x 5	30	5 x 5	30	5 x 5	35	6.3 x 5	40
47	476	5 x 5	36	5 x 5	36	6.3 x 5	46	6.3 x 5	50
100	107	6.3 x 5	60	6.3 x 5	60	6.3 x 5	67	6.3 x 5	73
220	227			8 x 5	103	8 x 5	116	8 x 5	126
330	337			8 x 5	127				

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size  $\phi$ D x L(mm)

Voltage (Code)		25V (1E)		35V (1V)		50V (1H)			
Cap.( $\mu$ F)	Code	Case Size	Ripple Current	Case Size	Ripple Current	Case Size	Ripple Current		
0.1	104					4 x 5	1.0		
0.22	224					4 x 5	2.6		
0.33	334					4 x 5	3.2		
0.47	474					4 x 5	3.8		
1	105					4 x 5	6.2		
2.2	225			4 x 5	7	4 x 5	11		
3.3	335			5 x 5	11	4 x 5	14		
4.7	475	4 x 5	13	4 x 5	15	5 x 5	19		
10	106	5 x 5	20	5 x 5	25	6.3 x 5	30		
22	226	6.3 x 5	38	6.3 x 5	48	8 x 5	52		
33	336	6.3 x 5	48	6.3 x 5	59	8 x 5	63		
47	476	6.3 x 5	58	8 x 5	82				
100	107	8 x 5	97						

Maximum Allowable Ripple Current (mA rms) at 105°C 120Hz

Case Size  $\phi$ D x L(mm)

Specifications are subject to change without notice. Should a safety or technical concern arise regarding the product, please be sure to contact our sales offices or agents immediately.