KF 宽温度品

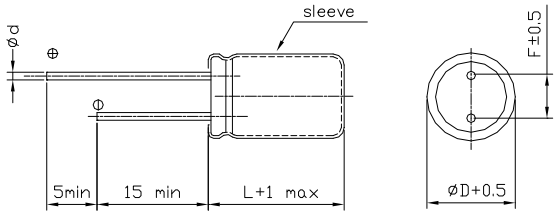
- 5mm 高度，105℃。5mmL, 105℃
- 适用于移动通讯、袖珍对讲机、汽车音响等电路
  Used in locomotive communication, pocked intercom telephone and car audio circuits, etc.
- ROHS 指令已对应完毕。Adapted to the ROHS directive.

主要技术性能 Specifications

项目 Item	特性 Performance Characteristics
使用温度范围 Operating temperature range	-40 ~ +105℃
额定电压范围 Rated voltage range	4 ~ 50V
标称电容量范围 Nominal capacitance range	0.1 ~ 220μF
标称电容量允许偏差 Capacitance tolerance	± 20% (120Hz, +20°C)
漏电流 Leakage current	I ≤ 0.01CV or 3(μA) 2分钟(at 20℃,after 2 minutes) 取最大者（whichever is greater）
损耗角正切值（tgδ）Dissipation factor (+20℃，120Hz)	U_R (V) 4 6.3 10 16 25 35 50 tgδ 0.35 0.24 0.20 0.16 0.14 0.12 0.10
温度特性 Temperature Characteristics (Impedance ratio at 120Hz)	U_R (V) 4 6.3 10 16 25 35 50 Z-25℃ / Z+20℃ 7 4 3 2 2 2 2 Z-40℃ / Z+20℃ 15 10 8 6 4 3 3
耐久性 Load life	+105℃加额定电压 1000 小时，恢复 16 小时后： After applying rated voltage for 1000 hours at +105℃ and then resumed for 16 hours: 电容量变化率 Capacitance change ： ±25%初始测量值以内 ±25%of the initial measured value（4V:≤±30%） 漏 电 流 Leakage current ： ≤初始规定值 ≤the initial specified value 损耗角正切值 Dissipation factor ： ≤2 倍初始规定值 ≤2times of the Initial specified value
高温贮存 Shelf life	+105℃,1000 小时贮存后，,恢复 16 小时后： After storage for 1000 hours at +105℃ and then resumed for 16 hours 电容量变化率 Capacitance change ： ±25%初始测量值以内 ±25%of the initial measured value（4V:≤±30%） 漏 电 流 Leakage current ： ≤2 倍初始规定值 ≤2times of initial specified value 损耗角正切值 Dissipation factor ： ≤2 倍初始规定值 ≤2times of initial specified value

外形图及尺寸表 Case size table

单位Unit: mm



D	4	5	6.3	8
F	1.5	2.0	2.5	3.5
d	0.45			

频率修正系数 Frequency coefficient

F(Hz) / CAP(uF)	60	120	1K	≥10k
0.1～68	0.8	1	1.3	1.5
100～220	0.8	1	1.15	1.2

尺寸 DIMENSIONS

WV / CAP(μF)		4V(0G)		6.3V(0J)		10V(1A)		16V(1C)		25V(1E)		35V(1V)		50V(1H)	
		Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple	Size	Ripple
0.1	0R1													4×5	1.0
0.22	R22													4×5	2.6
0.33	R33													4×5	3.2
0.47	R47													4×5	3.8
1	010													4×5	6.2
2.2	2R2													4×5	11
3.3	3R3													4×5	14
4.7	4R7									4×5	13	4×5	15	5×5	19
10	100			4×5	13	4×5	15	4×5	18	5×5	23	5×5	25	6.3×5	30
22	220	4×5	22	4×5	22	5×5	27	5×5	30	6.3×5	38	6.3×5	48	8×5	60
33	330	5×5	30	5×5	30	5×5	35	6.3×5	40	6.3×5	48				
47	470	5×5	36	5×5	36	6.3×5	46	6.3×5	50	6.3×5	55				
100	101	6.3×5	60	6.3×5	60	6.3×5	65	6.3×5	75	8×5	80				
220	221	8×5	100	8×5	110	8×5	120								

Size φD×L(mm)

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

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