

精密片式电阻器 CMF型

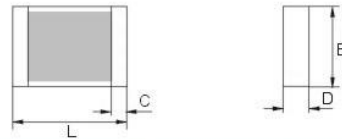
Precision Chip Resistors
Type: CMF

产品特点 FEATURES&APPLICATIONS

薄膜技术
Chip Resistors in Thinkfilm
端头镀锡—防析出
Contact areas tinned—resistant to leaching
膜层钝化树脂保护
Resistance element resin—passivated
高精度(0.05%)—低温度系数(5ppm/k)
Close tolerances(0.05%)—low TCR(5ppm/k)
极低噪声
Extreme low noise

L=长度, B=宽度, D=厚度, C=包围电极宽度(mm)
L=Length, B=Width, D=Thickness, C=Width wrap around(in mm)

外形尺寸 DIMENSIONS



尺寸(size)	L	B	D	C
0603	1.6 ^{+0.1}	0.8 ^{+0.1}	0.45 ^{+0.1}	0.3 ^{+0.2}
0805	2.0 ^{+0.1}	1.25 ^{+0.1}	0.55 ^{+0.1}	0.4 ^{+0.2}
1206	3.2 ^{+0.2}	1.6 ^{+0.15}	0.55 ^{+0.1}	0.5 ^{+0.2}
1210	3.2 ^{+0.2}	2.5 ^{+0.2}	0.55 ^{+0.1}	0.5 ^{+0.2}
2512	6.3 ^{+0.2}	3.2 ^{+0.2}	0.55 ^{+0.2}	0.5 ^{+0.2}

技术说明 TECHNICAL SPECIFICATIONS

尺寸(size)	0603	0805	1206	1210	2512
额定功率P ₇₀ (mW) ¹⁾ Power rating P ₇₀ (mW) ¹⁾ (P ₁₅₅ =0mW)	65	125	250	400	750
工作电压U _{on} (V)Working voltage	75	100	200	300	300 ¹⁾

阻值范围/精度/温度系数 ¹⁾ Ranges/Tolerance/TCR ²⁾	0603	0805	1206	1210	2512
5R1-10R			1% TC50	1% TC50	1% TC50
10R-47R	0.1/.../1% TC25/50	0.1/.../1% TC25/50	0.1/.../1% TC25/50	0.1/.../1% TC25/50	0.1/.../1% TC25/50
47R-<100R	0.1/.../1% TC10/.../50	0.1/.../1% TC10/.../50	0.1/.../1% TC10/.../50	0.1/.../1% TC10/.../50	0.1/.../1% TC10/.../50
100R-332K	0.1/.../1% TC5/.../50	0.05/.../1% TC5/.../50	0.05/.../1% TC5/.../50	0.05/.../1% TC5/.../50	0.05/.../1% TC5/.../50
>332K-1M		0.1/.../1% TC10/.../50	0.1/.../1% TC10/.../50	0.05/.../1% TC5/.../50	0.05/.../1% TC5/.../50
>1M-5M			0.25/.../1% TC50	0.25/.../1% TC10/.../50	0.25/.../1% TC10/.../50
>5M-15M				0.25/.../1% TC10/.../50	0.25/.../1% TC10/.../50

1) 特殊要求可达1000V
1) 1000V for special applications
2) 温度系数5/10/15:
温度范围+25°C~85°C
2) TCR5/10/15:
intemperature range+25°C~85°C
可按要求提供噪声图
Noise—diagrams on request

包装方式 PACKAGING

塑料袋或管式包装—每种阻值最低数量100只
Bulk in plastic bags or tubes—minimum quantity 100 pieces per value
编带包装按IEC60286-3—每种阻值最少1000只
Tape according IEC60286-3—minimum quantity 1000 pieces per value
料盘直径180mm或330mm
Reel diameter 180mm or 330mm

特性 CHARACTERISTICS

温度范围 Temperature range	-55°C~+125°C
气候类别按 IEC60068 Climatic category acc.to IEC 60068	55/125/56
可焊性按 IEC60068 T2-20, Ta方法1 Solderability acc.IEC60068 T2-20, Ta Meth.1	235°C 2s
耐焊接热按 IEC60068 T2-20, Tb方法1A Max.soldering temperature acc.IEC 60068 T2-20, Tb Meth.1A	260°C 10s

未列特性按CECC40401-801
Data not specified according CECC40401-801

供货示例 ORDERING DATA

型号—阻值—精度—温度系数—包装方式
Type—value—tolerance—TCR—packaging
例如:CMF0805 100K ±0.1% TCR15 编带180mm
Example:CMF0805 100K ±0.1% TCR15 Tape180mm
如果对温度系数和包装方式无要求, 将按标准温度系数提供(表中最大温度系数), 包装是散装。
If no requirements for TCR and packaging are given, the standard value(highest TCR value in table) will be supplied and packaging is bulk.

长期稳定性 Long term stability	47R-15M	<47R
高温贮存125°C/1000h Storage 125°C/1000h	<0.15%	<0.25%
负载P7370°C/1000h Load P7070°C/1000h	<0.1%	<0.25%
稳态湿热(56d/40°C/96%) Damp heat(56d/40°C/96%)	<0.15%	<0.5%