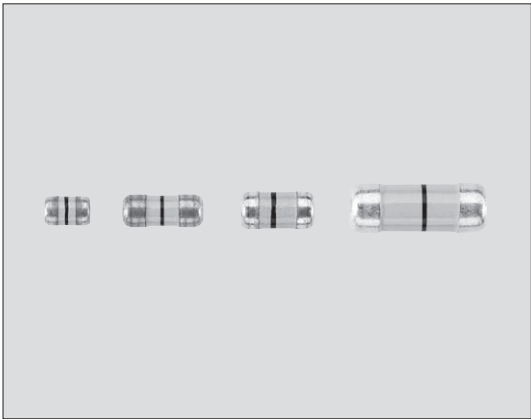


CC MELF形跳线
MELF Type Cross-conductors

电流检测电阻器
Current Detecting Chip Resistors



外观颜色：蓝色 Coating color: Blue
表示：1色带 Color code: 1 color-bands

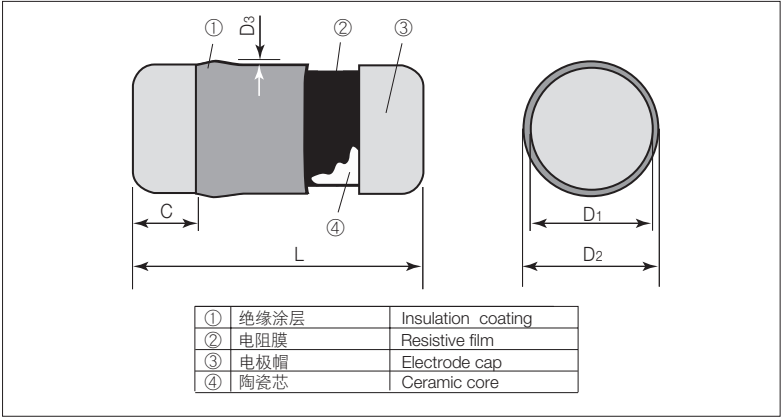
特点 Features

- 外装设备（SMD）用跳线。
- 外形为圆筒形，在表面封装时无需考虑方向性。
- 容易形成Cross Pattern。
- 电极强度十分坚固。
- 适用于回流焊、波峰焊和烙铁焊。
- 符合欧盟RoHS。
- AEC-Q200相关数据已取得。(CC12M/25)
- SMD cross-conductors.
- No need to specify the direction when mounting due to their cylindrical shapes.
- Easy to form a cross pattern.
- The electrode strength is firm.
- Suitable for reflow, flow and iron solderings.
- Products with lead free termination meet EU-RoHS requirements.
- AEC-Q200 qualified (CC12M/25).

参考标准 Reference Standards

IEC 60115-1
JIS C 5201-8
EIAJ RC-2127

结构图 Construction



外形尺寸 Dimensions

型号 Type (Inch/DIN Size Code)	尺寸 Dimensions (mm)					Weight (g) (1000pcs)
	L	C	D ₁	D ₂ Max.	D ₃ Max.	
CC10 (0805/0102)	2.0±0.1	0.3Min.	1.25±0.05	1.35	0.07	11
CC12M (1406/0204)	3.5±0.2	0.5~0.9	1.4±0.1	1.55	0.1	20
CC20 (1206/0203)	3.2±0.2	0.5Min.	1.55±0.15	1.75		26
CC25 (2309/0207)	5.9±0.2	0.5Min.	2.2±0.1	2.4	0.15	75

品名构成 Type Designation

实例 Example

品种 Product Code	端子表面材料 Terminal Surface Material	二次加工 Packaging
CC10 CC12M CC20 CC25	T: Sn (L: Sn/Pb)	TE: 编带 TE: Taping BK: 散装 BK: Bulk

欲知关于此产品含有的环境负荷物质详情（除EU-RoHS以外），请与我们联系。
编带细节请参考卷末附录C。

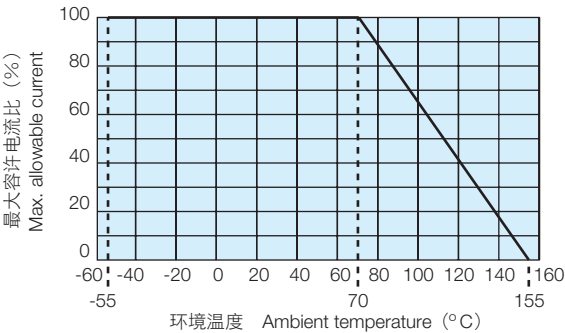
Contact us when you have control request for environmental hazardous material other than the substance specified by EU-RoHS.

For further information on taping, please refer to APPENDIX C on the back pages.

额定值 Ratings

型号 Type	最大浪涌电流 Max. Surge Current	电阻 Resistance	额定环境温度 Rated Ambient Temperature	使用温度范围 Operating Temp. Range	二次加工和包装数量/卷 Packaging & Q'ty/Reel (pcs)	
					箱 Box	卷 Reel
CC10	2A	20mΩ 以下 20mΩ or under	+70℃	-55℃~+155℃	50,000	3,000
CC12M					40,000	
CC20					36,000	2,000
CC25	5A				10,000	1,500

■ 负荷减轻特性曲线 Derating Curve



在环境温度70℃以上使用时，应按照上图负荷减轻特性曲线，减小额定功率。
For resistors operated at an ambient temperature of 70°C or above, a power rating shall be derated in accordance with the above derating curve.

■ 性能 Performance

试验项目 Test Items	标准值 Performance Requirements Real R		试验方法 Test Methods
	保证值 Limit	代表值 Typical	
电阻值 Resistance	20mΩ 以下 20mΩ Max. after the test	7.5mΩ 以下 7.5mΩ Max. after the test	25℃
耐焊接热 Resistance to soldering heat	20mΩ 以下 20mΩ Max. after the test	7.5mΩ 以下 7.5mΩ Max. after the test	260℃ ± 5℃, 10s ± 1s
温度突变 Rapid change of temperature	20mΩ 以下 20mΩ Max. after the test	7.5mΩ 以下 7.5mΩ Max. after the test	-55℃ (30min.) / +125℃ (30min.) 5 cycles
耐湿负荷 Moisture resistance	20mΩ 以下 20mΩ Max. after the test	7.5mΩ 以下 7.5mΩ Max. after the test	40℃ ± 2℃, 90% ~ 95%RH, 1000h 1.5小时ON、0.5小时OFF的周期 1.5h ON/0.5h OFF cycle
在70℃时的耐久性 Endurance at 70℃	20mΩ 以下 20mΩ Max. after the test	7.5mΩ 以下 7.5mΩ Max. after the test	70℃ ± 2℃, 1000h 1.5小时ON、0.5小时OFF的周期 1.5h ON/0.5h OFF cycle