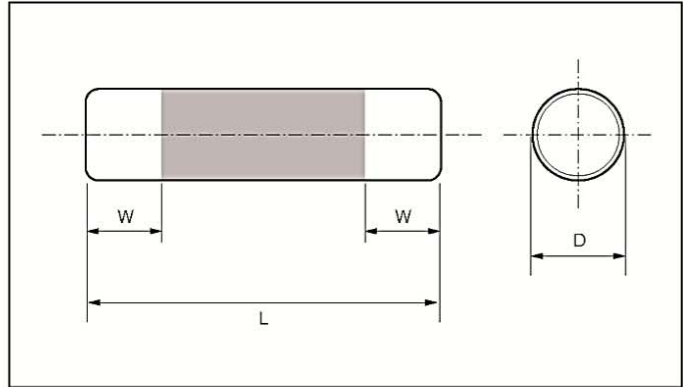




### ■ 构造图 Construction



### ■ 产品特点 Features

- SMD表面贴装结构
- 涂覆型, 小体积
- 极好的端子可焊性
- 蓝色包封, 色环标志
- SMD structure
- Coated style, small size
- Excellent solderability termination
- Blue coating, color code marking

### ■ 外形尺寸 Dimensions(mm)

型号 Type	L±0.3	D±0.3	W±0.1
MELF0204	3.5	1.4	1.0
MELF0207	5.9	2.2	1.4

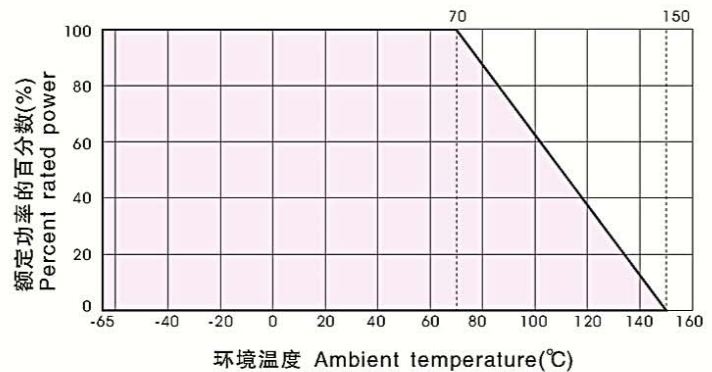
### ■ 应用范围 Applications

- 仪器仪表
- 电子衡器
- Meters and instruments
- Electronic weighing apparatus

### ■ 执行标准 Reference Standards

JIS-C5202

### ■ 降功耗曲线 Derating Curve



### ■ 技术说明 Technical Specifications

型号 Type	70°C时的额定功率(W) Power Rating at tu°C at 70°C(W)	最大工作电压 Maximum Working Voltage(v)	阻值范围 Resistance Range	精度范围 Tolerance Range	温度系数范围 TCR(ppm/°C)
MELF0204	0.167	200	10R~1M	B(±0.1%) C(±0.25%) D(±0.5%) F(±1.0%) G(±2.0%) J(±5.0%)	C3(±25) C2(±50) C1(±100)
MELF0204S	0.25	250	10R~1M		
MELF0207	0.25	250	10R~2M0		
MELF0207S	0.5	300	10R~2M0		

### 性能指标 Performance

试验项目 Test item	性能要求 Specifications	试验方法 Test Methods
过载 Short time overload	$\leq \pm(0.5\%R+0.05\Omega)$	2.5V <sub>a</sub> , 5s, 最大电压不超过2倍极限电压
温度冲击 Thermal shock	$\leq \pm(0.5\%R+0.05\Omega)$	-65°C~150°C, 5cycles, 0.5h
低温工作 Low temp. operation	$\leq \pm(0.5\%R+0.05\Omega)$	-65°C, P <sub>a</sub> , 1h
耐焊接热 Leaching	$\leq \pm(0.5\%R+0.05\Omega)$	260°C, 10S
耐湿 Resistance to moisture	$\leq \pm(1.5\%R+0.05\Omega)$	-10°C~65°C, RH80~98%, 240h
寿命 Load life	$\leq \pm(1.0\%R+0.05\Omega)$	70°C, P <sub>a</sub> , 1000h
冲击 Shock	$\leq \pm(0.5\%R+0.05\Omega)$	980m/S <sup>2</sup> , 6mS
振动 Vibration	$\leq \pm(0.5\%R+0.05\Omega)$	10~1000Hz, 0.75mm, 150m/S <sup>2</sup>

### 产品精度、温度系数与阻值范围对照表 Electrical data-Tolerance, TCR & Resistance Range

产品型号及规格型号 Type			MELF0204 (1/6)	MELF0204S (1/4)	MELF0207 (1/4)	MELF0207S (1/2)
代码 B	阻值精度 ±0.1%	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M
C	±0.25%	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M
D	±0.5%	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M
F	±1.0%	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M
G	±2.0%	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M
J	±5.0%	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M
C3	温度系数TCR ±25(10 <sup>-6</sup> /K)	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M
C2	±50(10 <sup>-6</sup> /K)	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M
C1	±100(10 <sup>-6</sup> /K)	最低FROM	10R	10R	10R	10R
		最高TO	1M	1M	2M	2M

### 订货示例 How To Order

例如 Example

