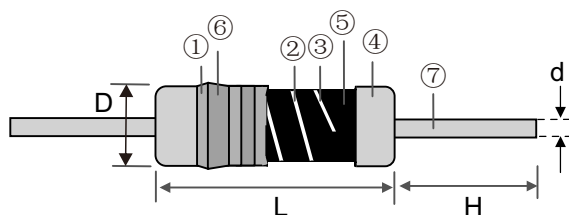


本体颜色: Body Color  
 标准品: Standard (Blue 蓝色)  
 标示: Marking  
 文字: Alphanumeric  
 (根据客户要求提供相应标识)  
 (According to the customer request to provide corresponding identification)

## 特性 Feature

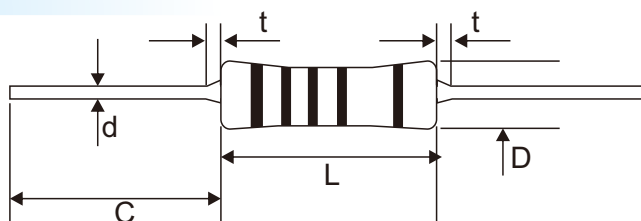
- I 优良的高频特性  
 Excellent high frequency characteristic
- II 长期稳定性、低噪音系数、低温度系数  
 Long term stability, low noise coefficient, low TCR
- III 高精度, 高稳定度  
 High precision high stability
- IV 采用蓝色或者绿色涂料包封, 色环标志, 可编带包装或散装包装  
 Blue or green flame-retardant coating colour code marking available, taping reel or bulk

## 结构图 Construction



①	②	③	④	⑤	⑥	⑦
绝缘层	刻槽线	陶瓷棒	镀锡铁帽	电阻膜层 (镍合金)	标志	引线

## 外形尺寸 Dimensions

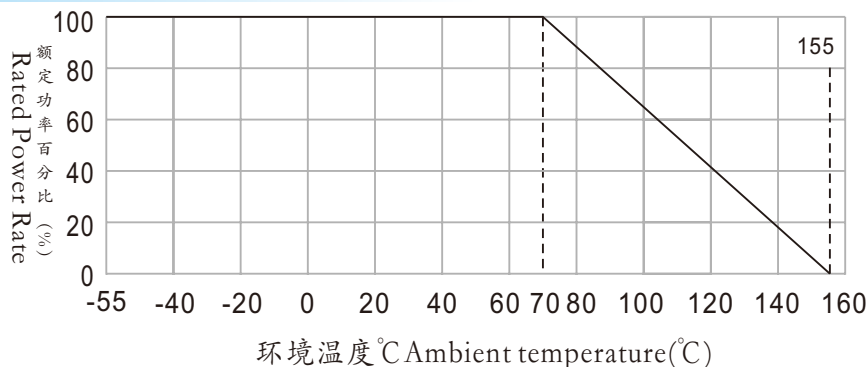


规格 Type	尺寸 Dimensions (mm)				
	L	D	C	d	t Max
FMR0204	3.4 ± 0.3	1.9 ± 0.2	28 ± 2.0	0.45 ± 0.05	1.50
FMR0207	6.3 ± 0.5	2.4 ± 0.3	28 ± 2.0	0.55 ± 0.05	1.50

## 参考规格 Reference Standards

JIS C 5202

## ● 降功耗曲线 Derating Curve



## ● 功率、阻值范围与耐电压 Power And Resistance etc

规格 Type	额定功率(W) Rated Power	最高使用电压 Max.Working Voltage(V)	绝缘耐压 Insulate Voltage(V)	过载电压 Max. Overload Voltage(V)	阻值范围 Resistance Range( $\Omega$ )	温度系数 TCR (PPM/ $^{\circ}$ C)	精度范围 Tolerance Range	使用温度范围 Operating Temperature
FMR0204	0.4W	250	300	500	1 $\Omega$ ~10M $\Omega$	±50PPM/ $^{\circ}$ C	±0.1%	-55~125 $^{\circ}$ C
FMR0207	0.6W	350	500	700	1 $\Omega$ ~10M $\Omega$		±1.0% ±5.0%	

## ● 性能 Performance

Test Item	Performance	Test Condition (JIS-C-5202)
Short Time Overload	±0.25%R+0.05 $\Omega$	2.5 times RCWV for 5 Sec
Voltage Proof on Insulation	By type	in V-block for 60 Sec., test voltage by type
Temperature Coefficient	By type	-55 $^{\circ}$ C to +155 $^{\circ}$ C
Insulation Resistance	>1,000M $\Omega$	in V-block for 60 Sec.
Solderability	95% Min. coverage	235 ± 5 $^{\circ}$ C for 3 ± 0.5 Sec.
Solvent Resistance of Marking	No deterioration of coatings and markings	IPA for 5 ± 0.5 Min. with ultrasonic
Robustness of Terminations	≥2.5kg (24.5N)	Direct load for 10 Sec. in the direction of the terminal leads
Periodic-pulse Overload	±1.0%R+0.05 $\Omega$	4 times RCWV 10,000 cycles (1 Sec. on, 25 Sec. off)
Damp Heat Steady State	±1.5%R+0.05 $\Omega$	40 ± 2 $^{\circ}$ C, 90-95% RH for 56 days, loaded with 0.1 times RCWV
Endurance at 70 $^{\circ}$ C	±1.5%R+0.05 $\Omega$	70 ± 2 $^{\circ}$ C at RCWV for 1,000 Hr. (1.5 Hr. on, 0.5 Hr. off)
Temperature Cycling	±0.75%R+0.05 $\Omega$	-55 $^{\circ}$ C → Room Temp. → +155 $^{\circ}$ C → Room Temp. (5 cycles)
Resistance to Soldering Heat	±0.25%R+0.05 $\Omega$	260 ± 3 $^{\circ}$ C for 10 ± 1 Sec., immersed to a point 3 ± 0.5mm from the body
Accidental Overload Test	No evidence of flaming or arcing	4 times RCWV for 1 Min.

## ● 料号编号 Ordering Information

例 Example

FMR	04	B	C2	T	100R0
产品名称 Product Name	功率 Power	精度 Tolerance	温度系数 TCR	包装方式 Packing	标称阻值 Nominal Value
FMR	04=0.4W 06=0.6W	B=±0.1% F=±1.0% J=±5.0%	C2=±50 PPM/ $^{\circ}$ C	B:袋装 T:编带 B=bulk T=Tape &Reel	0R100=0.1 $\Omega$ 100R0=100 $\Omega$ 10K00=10K $\Omega$ 1M000=1M $\Omega$