

Coating Color : Grey.

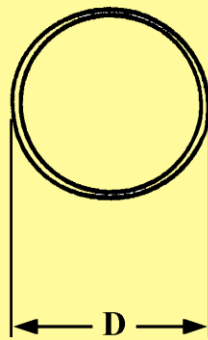
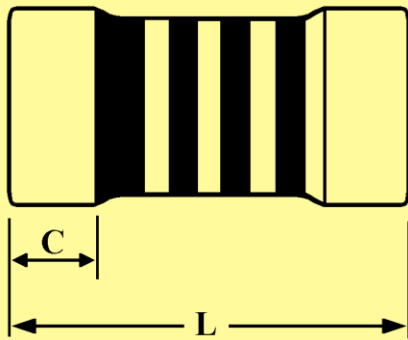
塗裝色: 灰色

Marking : Color Bands.

(0204;0207)

※3 bands : 1ST = Number,
2ND = Number,
3RD = Multiplier.

(Non - inflammable insulating silicon coating)



Coating Color : Grey.

塗裝色: 灰色

(0309;0411;0515)

Marking : Color Bands.

※4 bands: 1ST = Number,
2ND = Number,
3RD = Multiplier.
4TH = Tolerance

(Non - inflammable insulating silicon coating)

Characteristics

| Item | Characteristics | Test Method |
|---|-------------------------|---|
| 1. Operating Temp. Range 使用溫度範圍 | -55°C ~ 155°C | |
| 2. Temperature Coefficient 溫度系數 | ±200 ppm/°C | JIS-C-5202; 5.2 |
| 3. Short time overload 短時間過負載 | ±2% | Rating voltage×2.5 or Max. overload voltage For 5 sec. Whichever less |
| 4. Resistance to soldering heat 焊接耐熱性 | ±2% | 260°C±5°C, 5 sec ± 1 sec |
| 5. Insulation Resistance 絕緣電阻 | Over 10 ³ MΩ | JIS-C-5202 ; 5.6-條件 A |
| 6. Load Life 壽命負載 | ±5% | 70°C±2°C, 1000h, 1.5h "on"/ 0.5h "off" cycle |
| 7. Solderability 焊接性 | 90% Coverage/Min | 235°C±5°C, 2 sec ± 0.5 sec |
| 8. Bending test 端子強度 | ±1% | Holding point width 90mm, Bending 5mm, 1 time |
| 9. Non-Combustibility 不燃性 | No evidence of flaming | UL-94 ; V-0 |

※The above characteristics are for reference only. Please confirm the specifications in approval sheet before you order and/or use.

以上規格特性僅供參考，實際產品以承認書為準。

Dimensions :

| Type | Size | POWER RATING | Dimensions(mm) | | |
|------|------|--------------|----------------|----------|---------|
| | | | L | D | C |
| FRM | 0204 | 1/8Ws;1/4Ws | 3.5±0.2 | 1.45±0.1 | 0.7±0.1 |
| | 0207 | 1/4W; 1/2Ws | 5.7±0.2 | 2.2±0.1 | 0.8±0.2 |
| | 0309 | 1/2W;1Ws | 8.5±0.3 | 3.0±0.3 | 1.7±0.2 |
| | 0411 | 1Ws;2Ws | 10.5±0.3 | 4.0±0.3 | 2.3±0.2 |
| | 0515 | 2W;3Ws | 14.5±0.3 | 4.5±0.3 | 2.3±0.2 |

Fusing Charateristics

Following is the fusing times of power rating. If continuing 60 sec, tested within 30 minutes under regular temp. Without power burden that rest resistance is 100 times up more than beginning resistance but the voltage must be automatic adjustment.

熔斷特性

下面是對定格電力熔斷倍率表，如繼續做 60 秒測試後在常溫 30 分鐘以內沒有負荷量後其殘留的抵抗值比初值 100 倍以上，但電源必須是電壓自動調整型。

(單位:Ω)

| Size | Fusing Times 熔斷倍率 功率 Power Rating | X40 | X30 | X25 | X20 | X16 | 熔斷時間 FUSING TIME |
|------|--|----------|----------|-----------|-------------------|----------|-------------------------|
| | | | | | | | |
| 0207 | 1/4W, 1/2Ws | 0.1~0.18 | 0.2~0.3 | 0.47~0.91 | 1~4.7 2.4K~10K | 5.1~2.2K | 60 秒以內 Within 60 sec |
| 0309 | 1/2W, 1Ws | | | 0.1~0.43 | 0.47~2 | 2.2~5K | 60 秒以內 Within 60 sec |
| 0411 | 1W, 2Ws | | 0.1~0.18 | 0.2~0.43 | 0.47~2 | 2.2~2K | 60 秒以內 Within 60 sec |
| 0515 | 2W, 3Ws | | 0.1~0.18 | 0.2~0.43 | 0.47~2 | 2.2~1K | 60 秒以內 Within 60 sec |

- 備註:
1. 事先可依客戶需求設定熔斷時間、熔斷倍率
 2. 以上測試均使用定壓迴路
 3. 熔斷電壓=√功率(W)×阻值(Ω)×熔斷倍率

- REMARK:
1. The Fusing Time and Fusing Times Set Can be complied with buyer's request in advance.
 2. This Fusing characteristics are in constant voltage circuit.
 3. Fusing Voltage:
√Power Rating × Resistance × Fusing Multiplier

Classification (Part No.)

| | | | | | |
|------------|-------------|--------------|-------------|-----------|-------------------------|
| FRM | 0207 | 1/2Ws | 100Ω | J | T |
| STYLE | SIZE | POWER | RESISTANCE | TOLERANCE | PACKING |
| | | | | J = ±5% | T = Tape/Reel P=Bulk |

Packaging

| | | | | | |
|--------------------|----------------|----------------|----------------|----------------|----------------|
| SIZE | 0204 | 0207 | 0309 | 0411 | 0515 |
| TAPE / REEL | 3000pcs | 2000pcs | 2500pcs | 1500pcs | 1500pcs |

Remarks: RoHS Compliant