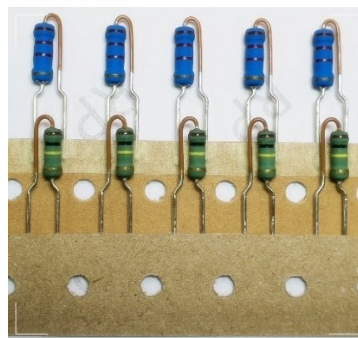
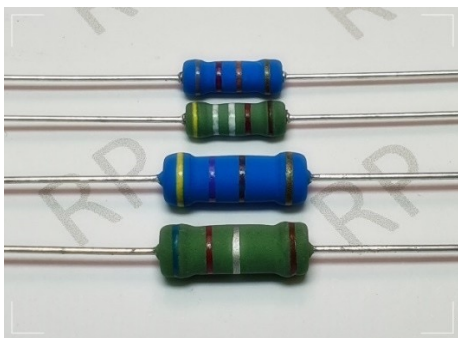
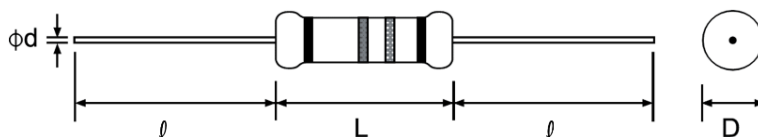


# MOR, MORS 산화금속피막 고정저항기

## Fixed Metal Oxide Film Resistors (Flame Proof)



### ■ 치 수 DIMENSIONS

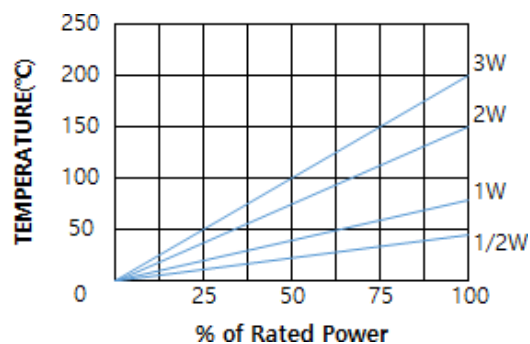
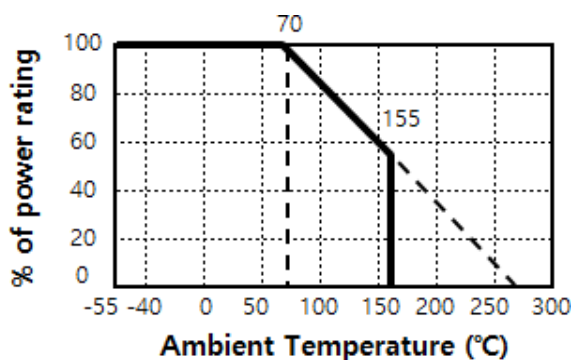


| 형 명 Type        | 치 수 Dimensions [mm] |             |              |           |
|-----------------|---------------------|-------------|--------------|-----------|
|                 | D $\pm 0.5$         | L $\pm 1.0$ | d $\pm 0.05$ | l $\pm 2$ |
| MORSS 1W        | 2.4                 | 6           | 0.55         | 23        |
| MORS 1W         | 3.5                 | 9           | 0.67         | 31.5      |
| MOR 1W, MORS 2W | 4.0                 | 11          | 0.67         | 31.0      |
| MOR 2W, MORS 3W | 5.5                 | 15          | 0.77         | 28.5      |

### ■ 일반규격 GENERAL SPECIFICATIONS

| 형 명<br>Type | 정격전력<br>Rated<br>Wattage | 최고사용전압<br>Max. Working<br>Voltage | 최고과부하전압<br>Max. Overload<br>Voltage | 내전압<br>Dielectric<br>With Voltage | 저항치범위<br>Resistance<br>Range | 저항치허용차<br>Resistance<br>Tolerance                                        |
|-------------|--------------------------|-----------------------------------|-------------------------------------|-----------------------------------|------------------------------|--------------------------------------------------------------------------|
| MORSS 1W    | 1W                       | 300V                              | 500V                                | 500V                              | 1~100K $\Omega$              | $\pm 0.1\%$ (B)<br>$\pm 0.5\%$ (D)<br>$\pm 1.0\%$ (F)<br>$\pm 5.0\%$ (J) |
| MORS 1W     | 1W                       | 350V                              | 600V                                | 500V                              | 1~1.5M $\Omega$              |                                                                          |
| MOR 1W      | 1W                       | 350V                              | 600V                                | 500V                              | 1~1.5M $\Omega$              |                                                                          |
| MORS 2W     | 2W                       | 350V                              | 600V                                | 500V                              | 1~1.5M $\Omega$              |                                                                          |
| MOR 2W      | 2W                       | 350V                              | 600V                                | 1000V                             | 1~1.5M $\Omega$              |                                                                          |
| MORS 3W     | 3W                       | 550V                              | 800V                                | 1000V                             | 1~1.5M $\Omega$              |                                                                          |

### ■ 전력경감곡선 DERATING CURVE & 온도상승곡선 TEMPERATURE RISE CURVE



■ 특 성 CHARACTERISTICS

| 항 목 ITEM                               | 성능 Performance                             | 시험방법 Test method                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. 사용온도범위 Operating Temp. Range        | -55°C ~ +155°C                             | -                                                                                                                                                                                       |
| 2. 절연저항 Insulation Resistance          | 1000MΩ Min                                 | DC500V, 1minute                                                                                                                                                                         |
| 3. 내전압 Dielectric Withstanding Voltage | ±[0.1% + 0.05Ω]                            | 500VAC, 1000VAC for 1minute                                                                                                                                                             |
| 4. 온도계수 Temperature coefficient        | R≥10Ω : ±350 PPM/°C<br>R≤10Ω : ±600 PPM/°C | $TCR = \frac{(R_2 - R_1) \times 10^6}{R_1 \times (t_2 - t_1)}$ t <sub>1</sub> :25°C, t <sub>2</sub> :125°C<br>R <sub>1</sub> :Ω at t <sub>1</sub> , R <sub>2</sub> :Ω at t <sub>2</sub> |
| 5. 단시간과부하 Short Time Overload          | ±[1.0% + 0.05Ω]                            | 2.5×Power rating 5seconds                                                                                                                                                               |
| 6. 납내열성 Resistance against Soldering   | ±[1.0% + 0.05Ω]                            | 350 ±10°C for 3seconds                                                                                                                                                                  |
| 7. 내습부하수명 Load Life in Humidity        | ±[3.0% + 0.05Ω]                            | 40°C, 90~95%RH, 0.1×Power rating,<br>90minutes on, 30minutes off, 480hours                                                                                                              |
| 8. 부하수명 Load Life                      | ±[5.0% + 0.05Ω]                            | 25°C, Power rating 90minutes on,<br>30minutes off, 60 Cycle<br>(120Hour)                                                                                                                |

■ 주문방법 HOW TO ORDER

|                                                                            |                |               |                  |                |
|----------------------------------------------------------------------------|----------------|---------------|------------------|----------------|
| <u>MOR</u><br>1                                                            | <u>2W</u><br>2 | <u>J</u><br>3 | <u>470K</u><br>4 | <u>TC</u><br>5 |
| 1. 형 명 Type (MOR : Normal Size, MORS : Mini Size, MORSS : Super Mini Size) |                |               |                  |                |
| 2. 정격전력 Rated Wattage                                                      |                |               |                  |                |
| 3. 허용오차 Tolerance                                                          |                |               |                  |                |
| 4. 저항치 Resistance (OR01=0.01, OR1=0.1, 1K1=1.1KΩ)                          |                |               |                  |                |
| 5. 2차 가공 Shape ( TB:52mm, TC:64mm, RT=Radial Taping, PS=Bulk )             |                |               |                  |                |