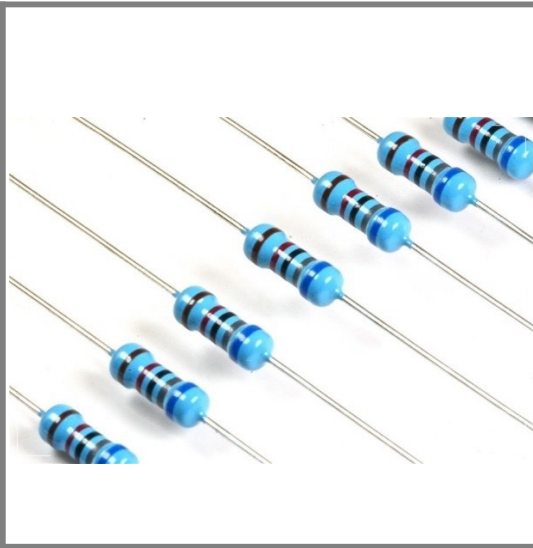
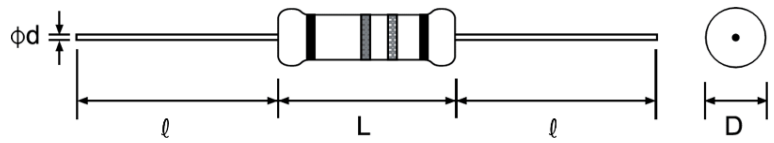




■ 치 수 DIMENSIONS

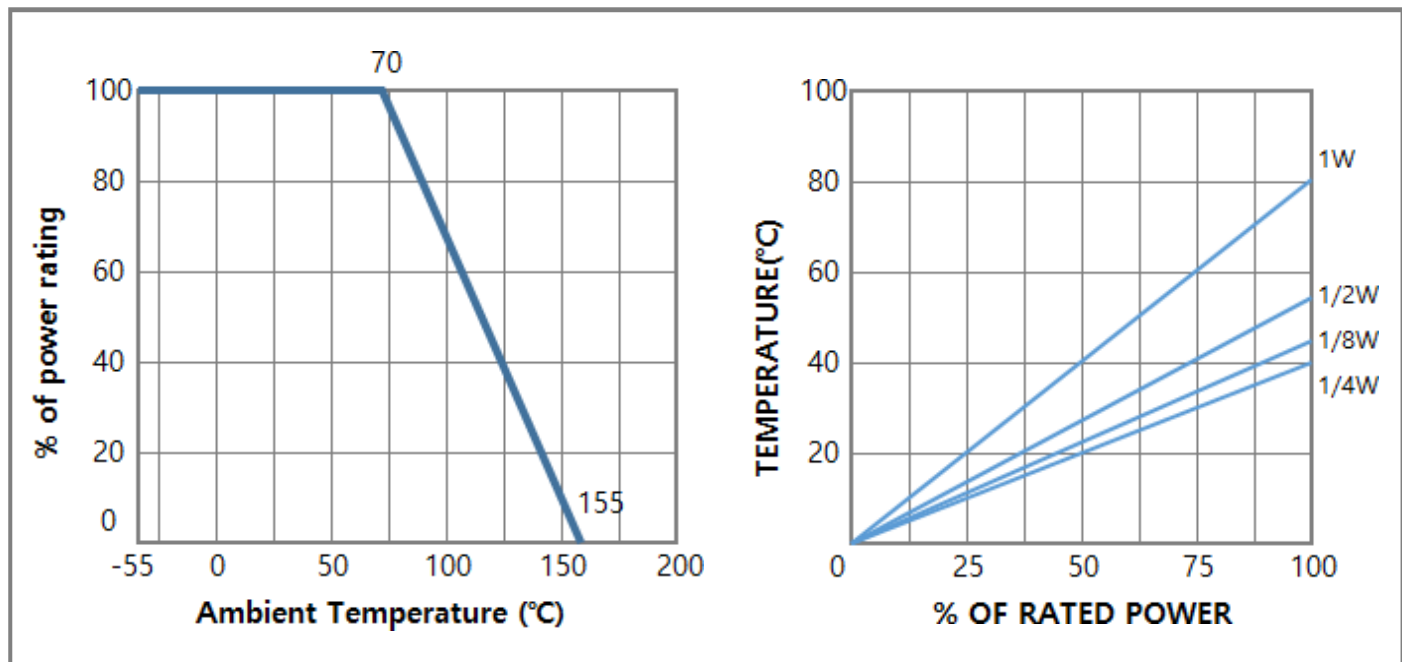


형 명 Type	치 수 Dimensions [mm]			
	D	L	d ± 0.05	l ± 2
RN 1/8W	1.8 ± 0.2	3.2 ± 0.2	0.45	28
RN 1/4W, RNS 1/2W	2.4 ± 0.2	6.0 ± 0.5	0.55	27
RN 1/2W, RNS 1W	3.2 ± 0.5	9.0 ± 1.0	0.67	26
RN 1W	4.0 ± 0.5	11 ± 1.0	0.67	28

■ 일반규격 GENERAL SPECIFICATIONS

형 명 Type	정격전력 Rated Wattage	최고사용전압 Max. Working Voltage	최고과부하전압 Max. Overload Voltage	내전압 Dielectric With Voltage	저항치범위 Resistance Range	저항치허용차 Resistance Tolerance
RN 1/8W	0.125W	150V	300V	300V	1~4.7M Ω	$\pm 0.1\%$ (B) $\pm 0.5\%$ (D) $\pm 1.0\%$ (F) $\pm 5.0\%$ (J)
RN 1/4W	0.25W	250V	500V	400V	0.47~4.7M Ω	
RNS 1/2W	0.5W	250V	500V	400V	0.47~4.7M Ω	
RN 1/2W	0.5W	350V	700V	500V	0.47~4.7M Ω	
RNS 1W	1W	350V	700V	500V	0.47~4.7M Ω	
RN 1W	1W	350V	700V	500V	0.47~4.7M Ω	

■ 전력경감곡선 DERATING CURVE & 온도상승곡선 TEMPERATURE RISE CURVE



RN 금속피막 고정저항기

Fixed Metal Film Resistors (Coat-Insulated)

■ 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 for 1minute
4. 온도계수 Temperature coefficient	±50 ~ ±350ppm/°C	$TCR = \frac{(R_2 - R_1) \times 10^6}{R_1 \times (t_2 - t_1)}$ $t_1: 25^\circ\text{C}, t_2: 125^\circ\text{C}$ $R_1: \Omega \text{ at } t_1, R_2: \Omega \text{ at } t_2$
5. 단시간과부하 Short Time Overload	±[1.0% + 0.05Ω]	2.5×Power rating 5seconds
6. 납내열성 Resistance against Soldering	±[2.0% + 0.05Ω]	260 ±5°C for 10seconds
7. 내습부하수명 Load Life in Humidity	±[5.0% + 0.05Ω]	40°C, 90~95%RH, 0.1×Power rating, 90minutes on, 30minutes off, 1000hours
8. 부하수명 Load Life	±[5.0% + 0.05Ω]	25°C, Power rating 90minutes on, 30minutes off, 1000hours

■ 주문방법 HOW TO ORDER

RN 1	1/2W 2	J 3	10R 4	TB 5
1. 형 명 Type (RN : Normal Size, RNS : 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)				