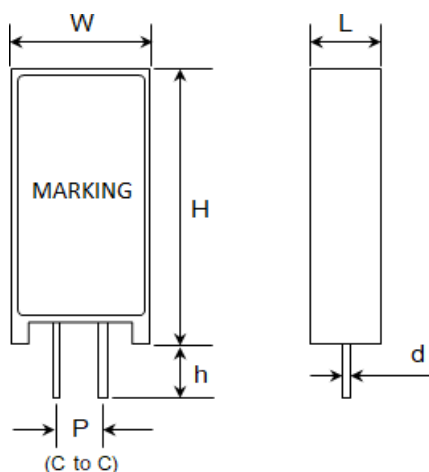




■ 치 수 DIMENSIONS

구 분	치 수 Dimension (mm)						
	W ±1	L ±1	H ±2	h ±0.5	P ±0.5	d ±0.03	d ±0.03
						Resistor	Fuse
5W	14	9.5	29	4	5	0.8	2A, 3A : 0.6 10A : 0.6
7W	14	9.5	40	4	5	0.8	

■ 일반규격 GENERAL SPECIFICATIONS

Thermal Fuse Symbol	Type of Thermal Fuse			Continuous Rated Power[W]		Resistance Range(Ω)	Resistance Tolerance(%)		
	Nominal Operating Temp.[°C]	Voltage Rating[V]	Current Rating[A]						
				TFR 5	TFR 7				
E	102°C	250V	2A, 3A	0.9	-	0.47~240	J [±5%] K [±10%]		
F	115°C			1.0	-				
K	127°C			1.2	-				
L	133°C			1.3	-				
D	136°C			1.4	-				
B	139°C			1.6	-				
T	145°C			1.7	-				
C	100°C	250V	10A	1.0	1.3				
G	109°C			1.2	1.5				
H	121°C			1.3	1.7				
J	126°C			1.5	1.9				
P	128°C			1.5	1.9				
B	139°C			1.6	2.1				
N	144°C			1.7	2.2				
S	152°C			1.8	2.3				
Q	167°C			2.0	2.4				

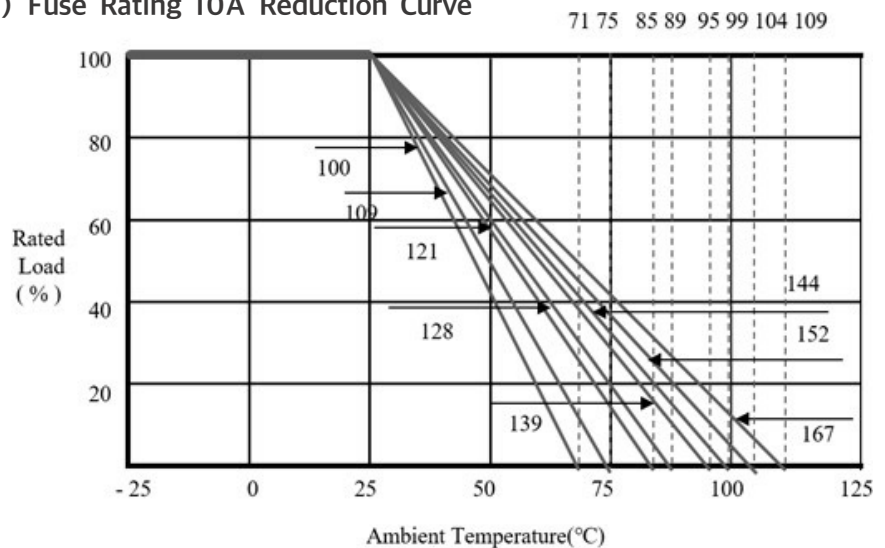
특 성 CHARACTERISTICS

항 목 ITEM	성 능 Performance	시험 방법 Test method
1. 절연저항 Insulation Resistance	1000MΩ Min	DC500V, 1minute
2. 내전압 Dielectric Withstanding Voltage	±[0.5% + 0.05Ω]	500VAC for 1minute
3. 온도계수 Temperature coefficient	MAX ±260 PPM/°C	TCR= $\frac{(R_2 - R_1) \times 10^6}{R_1 \times (t_2 - t_1)}$ $t_1: 25^\circ\text{C}, t_2: 125^\circ\text{C}$ $R_1: \Omega \text{ at } t_1, R_2: \Omega \text{ at } t_2$
4. 단시간과부하 Short Time Overload	±[2.0% + 0.1Ω]	2.5× Continuous Rated Power 5seconds
5. 납내열성 Resistance against Soldering	±[1.0% + 0.05Ω]	260 ±5°C for 10seconds Put in the PCB(1mm thick)
6. 내습부하수명 Load Life in Humidity	±[3.0% + 0.05Ω]	40°C, 90~95%RH, 0.1×Power rating, 90minutes on, 30minutes off, 1000hours
7. 부하수명 Load Life	±[5.0% + 0.05Ω]	25°C, Power rating 90minutes on, 30minutes off, 1000hours

POWER RATING CURVE

The rated power shall be the maximum power applicable continuous operation at an ambient temperature of 25°C. The rated power for continuous operation or test at an ambient temperature of more than 25°C shall be determined by multiplying value of the road factor as per power reduction curve and the rated power.

1) Fuse Rating 10A Reduction Curve



2) Fuse Rating 2A, 3A Reduction Curve

