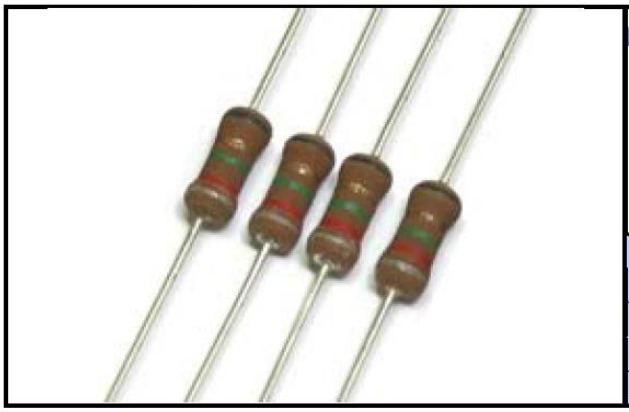
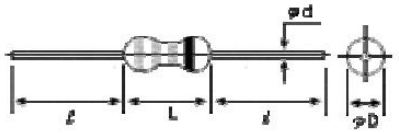
SUR 카본콤포지션저항기 CARBON COMPOSITION RESISTORS

■ FEATURES

- **Improved pulse endurance characteristics compared to carbon film devices.**
- **Wide resistance range is available, i.e. 10 ohm to 10M ohm.**



■ 촌 법 DIMENSIONS



형 명 Type	촌 법 Dimensions [mm]			
	L max	D max	d±0.02	ℓ ±3
SUR25	6.5	2.5	0.58	26
SUR37	9.0	3.5	0.7	26
SUR68	16	5.5	0.8	32

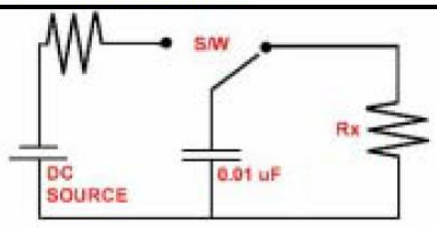
■ 일반규격 GENERAL SPECIFICATIONS

형 명 Type	정격전력 Rated Wattage	최고사용전압 Max. Working Voltage	절연저항 Insulation Resistance (V-block method)	서지테스트 Surge Test	저항치범위 Resistance Range	저항치허용차 Resistance Tolerance
SUR25	0.25W	350V	Min.10MΩ (350±50V DC during 1min.)	8kV/10nF (2.5sec on/off 10cycle)	Non-inductive: 10Ω ~ 10kΩ Inductive: 10kΩ ~ 10MΩ	±5(J) ±10(K) ±20(M)
SUR37	0.5W	700V	Min.10MΩ (500±50V DC during 1min.)	8kV/10nF (2.5sec on/off 10cycle)		
SUR68	1W	1,000V	Min.10MΩ (700±50V DC during 1min.)	R≤1kΩ : 8kV/10nF R>1kΩ : 10kV/10nF		

■ 특 성 CHARACTERISTICS

Test		Conditions & Test method	
1. 사용온도범위	Operating Temp. Range		-55°C~ +155°C
2. 온도계수	Temperature coefficient		1000ppm/°C Maximum
3. 납땜성	Solder ability	95%	Solder ability: 2sec 235±5°C. flux 600
4. 단시간과부하	Short Time Overload	±[2.5% + 0.05Ω]	Rated voltage×2.5, 5sec on, 45sec off, 10cycle
5. 내구성	Load Life	±[8.0% + 0.05Ω]	70±3°C 0.5hrs.-on, 0.5hrs -off, 1000hrs
6. 내습성	Moisture Resistance	±[3.0% + 0.05Ω]	40°C, 95%RH, 0.1×wattage rating. 1.5hrs.-on, 30min-off, 500hrs
7. 비틀림	Torsion	No Damage	2.5kgf, remains 5~10sec
8. 열충격	Thermal Shock	±[2.0% + 0.05Ω]	30min -55°C , 30min +155°C 5cycle
9. 내진성	Vibration	±[1.0% + 0.05Ω]	10~55Hz Displacement 1.5mm or acceleration 10g Three direction: total 6h (2×3h)

■ 서지테스트 SURGE TEST



*Ten discharges from a 10nF capacitor charged to Vmax: 12 discharges/min.
*No evidence of flash over, mechanical damage, arcing or insulation breakdown.

■ 주문방법 HOW TO ORDER

SUR68	1W	10kΩ	K	TP
1	2	3	4	5

1. 형명 **Type**
2. 정격전력 **Rated Wattage**
3. 저항치 **Resistance**
4. 허용오차 **Tolerance**
5. 2 차가공 **(TP= Taping & BK= Bulk)**