

SMW series Power Wire Wound Chip Resistor

◆ Features

- » Flameproof UL94V0 molded package, resistant to heat, humidity & insulation
- » Special design for automatic surface mounting
- » Excellent mechanical strength & electrical stability
- » Reducing assembly costs

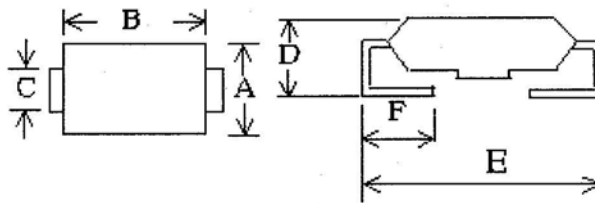
◆ Application

- » Consumer electronics, computers
- » Telecommunications, control instruments.

◆ Part Number

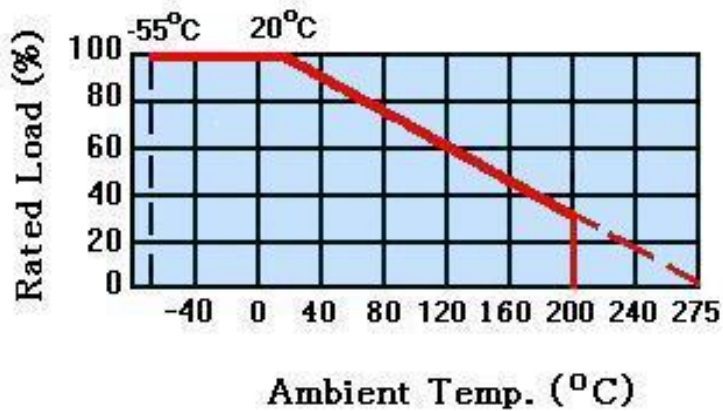
SMW	200	J	3R3
Type	Watt	Tolerance	R value
SMW	2W = 200	J = $\pm 5\%$	3.3 Ω = 3R3
	3W = 300	F = $\pm 1\%$	200 Ω = 200R
	5W = 500		

◆ Dimensions



STYLE	DIMENSION (mm)						VALUE RANGE
	A ± 0.3	B ± 0.3	C ± 0.3	D ± 0.3	E max.	F ± 0.3	
SMW200	4.0	6.7	1.4	3.55	7.9	1.5	0R1-200R
SMW300	5.5	10.5	1.7	5.0	12	2.3	0R1-300R
SMW500	7.3	13.5	1.7	6.8	17	2.5	0R1-500R

◆ Power Derating Curve



» For resistors operated in ambient temperatures above 20 °C, power rating must be derated in accordance with the curve below.

◆ Electrical Performance

Test Items	Condition	Spec.	Test Method
Resistance Temp. Coeff.	-55°C ~ +200°C	± 200 ppm /°C	JIS-C-5201
Short Time Overload	5 times of rated wattage for 5 sec.	± 1%	
Rated Load	Rated voltage for 30 minutes	± 1%	
Insulation Resistance	500V megger	10,000 MΩ	
Load Life	70°C on-off cycle 1,000 hours	± 2%	
Moisture-proof Load Life	40°C 95% RH on-off cycle 500 hours	± 2%	