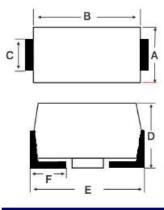
SMD POWER WIRE WOUND RESISTORS

SMW SERIES

Features

- Flameproof UL94V0 molded package, resistant to heat, humidity & insulation.
- 2. Special design for automatic surface mounting
- 3. Excellent mechanical strength & electrical stability.
- 4. Reducing assembly cost

Dimensional Specifications



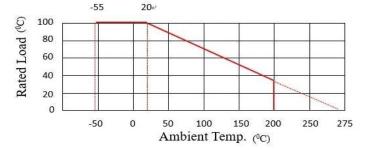
							Unit: mm
Rated Wattage	A±0.3	B±0.3	C±0.3	D±0.3	E max	F±0.3	Resistance Range(Ω)
2W	4	6.7	1.4	3.55	7.9	1.5	0.1~200
3W	5.5	10.5	1.7	5	12	2.3	0.1~300
5W	7.3	13.5	1.7	6.8	17	2.5	0.1~500

3W100QJ

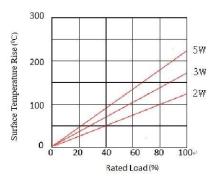
Note: Resistances beyond above range available upon request.

DERATING CURVE

For resistors operated in ambient temperatures above 20 $^\circ\!C$, power rating must be derated in accordance with the curve below:



Surface Temperature Rise







Electrical and Mechanical Performance

Characteristics	Standards	Test Methods	
Resistance tolerance	±5%(J) or ±1%(F)		
Resistance Temp. Coeff.	±200ppm/℃	-55°C~200°C	
Power Rating Load	Surface temp. 275℃ Max., ∆R/R≦±1%	Rated voltage for 30 minutes	
Short Time Overload	±1	5 times of rated wattage for 5 seconds.	
Dielectric withstanding Voltage	No evidence of mechanical damage or insulation breakdown.	AC 500V for 1 minutes.	
Insulation Resistance	10,000M Ω	DC500V megger	
Solder-ability	Minimum 95% coverage	235±5℃ for 2 seconds	
Resistance to Soldering Heat	No evidence of mechanical damage. Δ R/R \leq ±1%	$270\pm5^\circ\!\mathrm{C}$ for 10 ± 1 second	

Environmental Characteristics

Characteristics	Standards	Test methods	
		-55℃(20min.)→Room Temp.(3min.)→+200℃	
Temp. Cycle	$\Delta R/R \leq \pm 1\%$	(30min.)	
and a construction of the pro-		→Room Temp.(3min.)/(5 cycles)	
Load Life	∆ R/ R≦±2%	Rated power load 90 minutes ON 30minutes OFF	
	∆ K/R≦±2%	70°C 1000hours	
Maisture anafiland life	A D/D < +20	Rated power load 90 minutes ON 30 minutes OFF	
Moisture-proof Load Life	∆ R/R ≦±3%	40°C 95%RH 500hours	

Reference Standards: IEC60115-1 & JIS C 5201-1

Parts Number System

