

SWW 1, 2

- MEGASTAR-OHM Power Chip Resistors
- Molded Encapsulation
- Temperature Coefficient of  $\pm 100\text{ppm}/^\circ\text{C}$
- Other Resistive Values Available

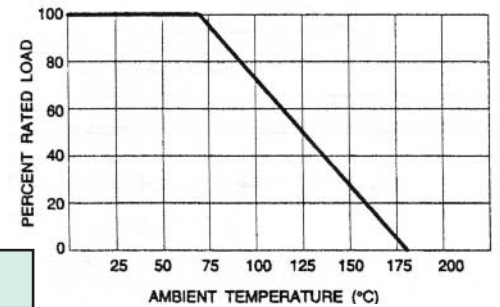
## PERFORMANCE CHARACTERISTICS

ELECTRICAL	SWW 1	SWW 2
Power Rating (watts) Derated to 0 Load at Maximum Working Voltage	1 @ 70°C 180°C PR	2 @ 70°C 180°C PR
Operating Temperature Range Resistance Range Tolerance	-55°C to 180°C 0.51 - 100 $\pm 1\%$ & $\pm 5\%$	-55°C to 180°C 1 - 100 $\pm 1\%$ & $\pm 5\%$
Dielectric Withstand Voltage Insulation Resistance	500 volts RMS 100 meg min.	500 volts RMS 100 meg min.
ENVIRONMENTAL (Operating Temperature Range: -55°C to 180°C)		
Load Moisture Load Life @ 70°C - 1000 hrs.	$\pm 2\%$ $\pm 2\%$	$\pm 2\%$ $\pm 2\%$
Resistance to Soldering Heat Short Time Overload	$\pm 0.5\%$ $\pm 0.5\%$	$\pm 0.5\%$ $\pm 0.5\%$

## DIMENSIONS: Inches (mm)

FEATURE	SWW 1	SWW 2
L - Body Length	.30 $\pm$ .02(7.5 $\pm$ 0.5)	.49 $\pm$ .02(12.5 $\pm$ 0.5)
W <sub>1</sub> - Body Width	.18 $\pm$ .01(4.5 $\pm$ 0.3)	.24 $\pm$ .01(6.0 $\pm$ 0.3)
W <sub>2</sub> - Terminal Width	.10 $\pm$ .01(2.5 $\pm$ 0.3)	.16 $\pm$ .01(4.0 $\pm$ 0.3)
H <sub>1</sub> - Body Height	.14 $\pm$ .01(3.5 $\pm$ 0.5)	.16 $\pm$ .01(4.0 $\pm$ 0.3)
H <sub>2</sub> - Side Termination	.09 $\pm$ .01(2.2 $\pm$ 0.3)	.09 $\pm$ .01(2.4 $\pm$ 0.3)
P - Bottom Termination	.05 $\pm$ .01(1.2 $\pm$ 0.3)	.08 $\pm$ .01(2.0 $\pm$ 0.3)

## DERATING CURVE



## Part Numbering System

SWW 1 XXX J T

Product Type
SMD Wirewound Resistor

Rated Power	
Code	Wattage
1	1 watt
2	2 watts

### Resistance Value

3-DIGIT CODE for 5% tolerance				
CODE	R51	1R0	10R	101
VALUES	0.51	1	10	100
4-DIGIT CODE for 1% tolerance				
CODE	3R01	13R3	29R4	1000
VALUES	3.01	13.3	80.6	100

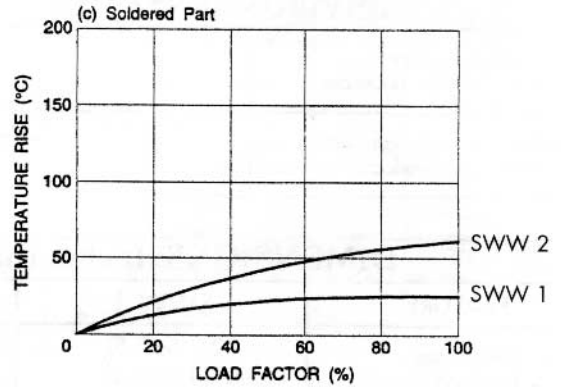
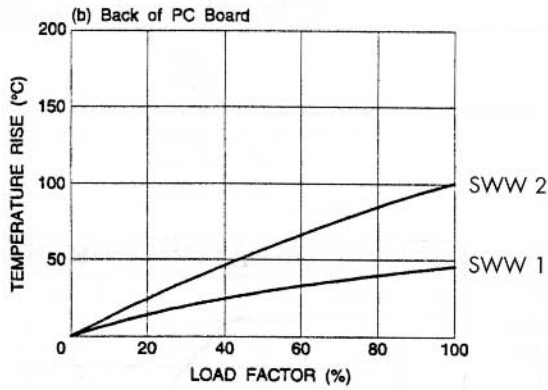
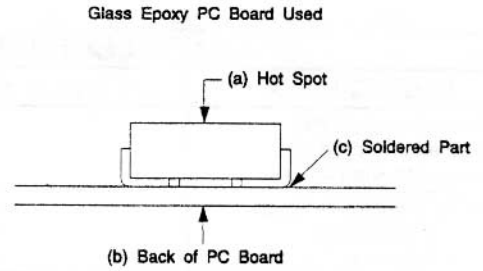
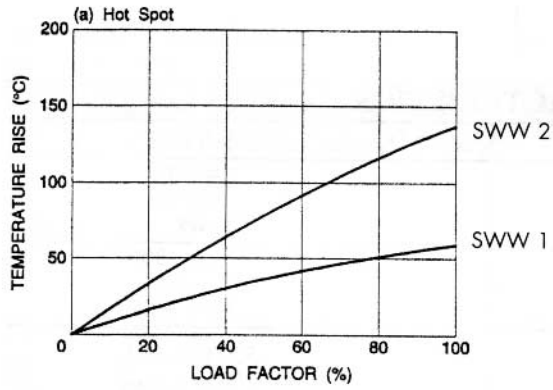
Packaging	
CODE	DETAIL
B	Bulk
TE	Tape & Reel (plastic carrier)
Please refer to packing explanation on page 34.	

TOLERANCE	
CODE	%
F	$\pm 1\%$
J	$\pm 5\%$
K	$\pm 10\%$

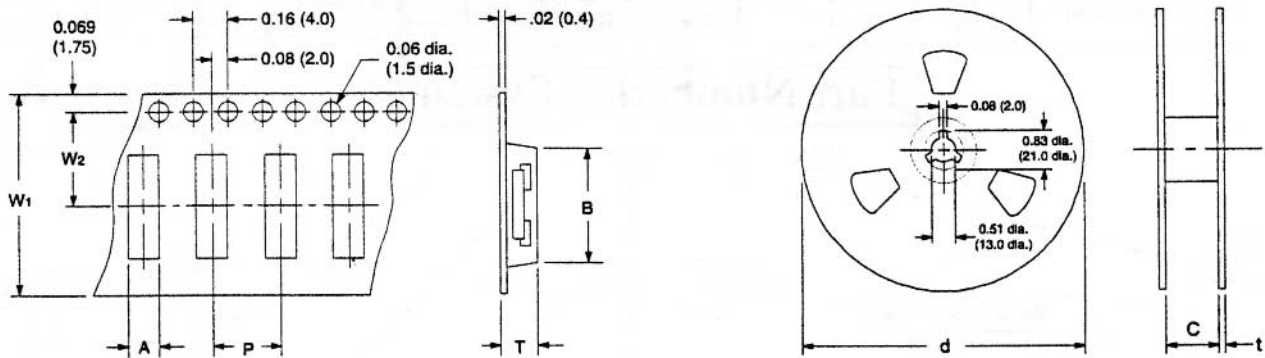
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## PERFORMANCE DATA

### Temperature Rise Curves



## PACKAGING: Units (mm)



Style	A	B	W1	W2	P	T	d	C	t
SWW 1	0.20 (5.1)	0.32 (8.2)	0.63 (16.0)	0.30 (7.5)	0.31 (8.0)	0.16 (4.0)	13.0 (330)	0.69 (17.5)	0.06 (1.6)
SWW 2	0.26 (6.6)	0.52 (13.2)	0.94 (24.0)	0.45 (11.5)	0.31 (8.0)	0.18 (4.5)	13.0 (330)	1.00 (25.5)	0.06 (1.6)