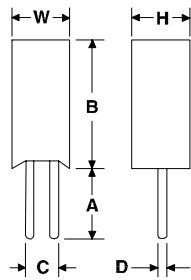


Vertical Mount Ceramic Wirewound Resistors

SEI Type NSM



- Flame Proof Construction
- Low Ohmic Values
- Wound on Fiberglass Core
- Temperature Coefficient of $\pm 200\text{ppm}/^\circ\text{C}$

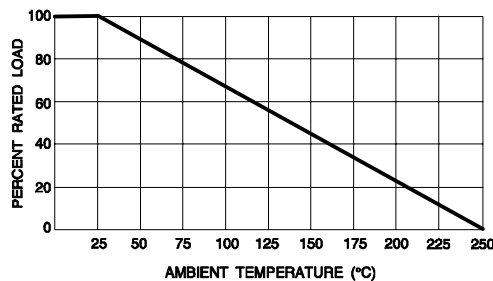
PERFORMANCE CHARACTERISTICS

ELECTRICAL	NSM 2	NSM 3	NSM 5	NSM 7
Power Rating (Watts) Derated to 0 Load at Maximum Working Voltage	2 @ 25°C 250°C $\sqrt{\text{PR}}$ or 100V whichever is less	3 @ 25°C 250°C $\sqrt{\text{PR}}$ or 200V whichever is less	5 @ 25°C 250°C $\sqrt{\text{PR}}$ or 300V whichever is less	7 @ 25°C 250°C $\sqrt{\text{PR}}$ or 350V whichever is less
Operating Temperature Range	-55°C to +250°C	-55°C to +250°C	-55°C to +250°C	-55°C to +250°C
Resistance Range	0.1 – 680Ω	0.1 – 510Ω	0.1 – 510Ω	0.1Ω – 2K
Tolerance	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$
Dielectric Withstand Voltage	500 volts RMS	500 volts RMS	500 volts RMS	500 volts RMS

ENVIRONMENTAL (Operating Temperature Range: -55°C to +250°C)

Moisture Resistance	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$
Thermal Shock	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$
Load Life @ 70°C – 1,000 hrs	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$	$\pm 5\%$
Resistance to Soldering Heat	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$
Short Time Overload	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$	$\pm 2\%$

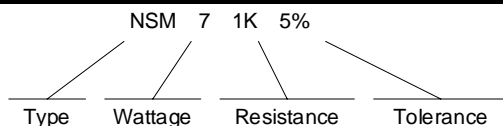
DERATING CURVE



DIMENSIONS: Inches (mm)

FEATURE	NSM 2	NSM 3	NSM 5	NSM 7
A – Lead Length (typ.)	.20 min. (5.1 min.)	.20 min. (5.1 min.)	.20 min. (5.1 min.)	.20 min. (5.1 min.)
B – Body Length	.81 max. (20.5 max.)	.98 max. (25.0 max.)	1.00 max. (25.4 max.)	1.54 max. (39.0 max.)
C – Lead Spacing	.20 \pm .01 (5.0 \pm 0.3)	.20 \pm .01 (5.0 \pm 0.3)	.20 \pm .01 (5.0 \pm 0.3)	.20 \pm .01 (5.0 \pm 0.3)
D – Lead Diameter	.031 \pm .002 (0.80 \pm 0.05)	.031 \pm .002 (0.80 \pm 0.05)	.031 \pm .002 (0.80 \pm 0.05)	.031 \pm .002 (0.80 \pm 0.05)
H – Body Thickness	.38 max. (9.5 max.)	.38 max. (9.5 max.)	.38 max. (9.5 max.)	.38 max. (9.5 max.)
W – Body Width	.43 max. (11.0 max.)	.47 max. (12.0 max.)	.51 max. (13.0 max.)	.51 max. (13.0 max.)

ORDERING INFORMATION



NOTES

1. Bulk packaging only.