

Cemented Wirewound Resistors

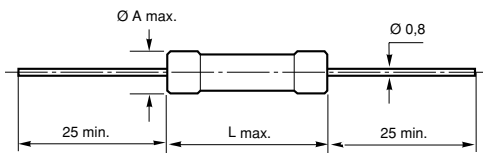


FEATURES

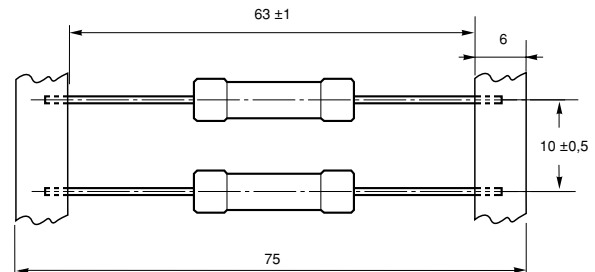
- 3 Watt and 4 Watt at + 40°C
- Cemented protection
- Non flammability
- Industrial applications

DIMENSIONS in millimeters

SG3



SG4



DIMENSIONS in millimeters		
MODEL	ØA	L
SG3	4.8	13
SG4	5.5	15.8

MECHANICAL SPECIFICATIONS

Mechanical Protection	Cement
Resistive Element	Ni Cr wire
Connections	Copper tinned

ENVIRONMENTAL SPECIFICATIONS

Temperature Limits	- 55°C + 250°C
Climatic Category	55/250/21

ELECTRICAL SPECIFICATIONS

	SG3	SG4
Ohmic Range	0.1Ω to 3.3kΩ	0.1Ω to 3.9kΩ
Standard Tolerance	± 5%	
Power Rating at + 40°C	3W	4W
Limiting Element Voltage	100V	125V
Critical Resistance	3.3kΩ	3.9kΩ
Temperature Coefficient	± 150ppm/°C	
Dielectric Strength	300Veff	

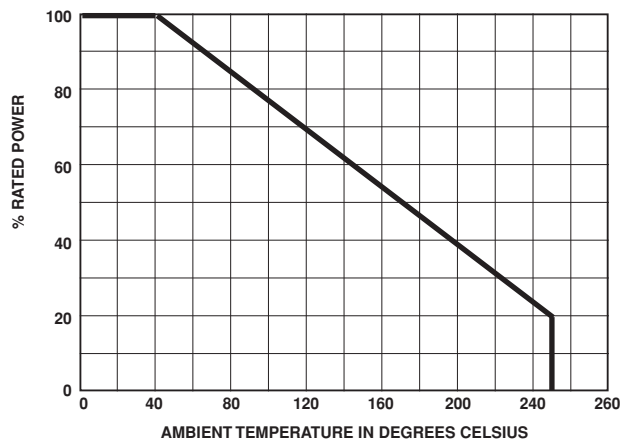


PERFORMANCE		
TESTS	CONDITIONS	TYPICAL VALUES AND DRIFTS
Short Time Overload	5Pn during 5s	$\pm (1.5\% + 0.05\Omega)$
Climatic Sequence	NFC 83-210 Fasc. 19A - 55°C + 200°C 5 cycles	$\pm (1\% + 0.05\Omega)$
Humidity	NFC 83-210 56 days 95% RH	$\pm (1\% + 0.05\Omega)$
Thermal Shock	- 40°C + 200°C 5 cycles	$\pm (1\% + 0.05\Omega)$
Load Life	MIL-STD 202 Method 108 Pr 1000h	$\pm (5\% + 0.05\Omega)$
Moisture Resistance	MIL-STD 202 Method 106	$\pm (1\% + 0.05\Omega)$
Vibration	MIL-STD 202 Method 204 Test 20g 10Hz/2000Hz	$\pm (0.5\% + 0.05\Omega)$
Shock	4000 \pm 10 at 390m/s ²	$\pm (0.5\% + 0.05\Omega)$

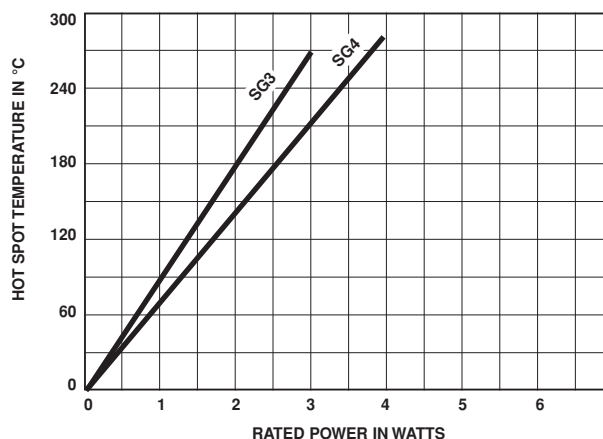
SPECIAL FEATURES

Please consult VISHAY SFERNICE for other ohmic values and tolerances.

POWER RATING CHART



TEMPERATURE RISE



MARKING

GEKA trademark, model, style, nominal resistance (in Ω), tolerance (in %).

PACKAGING

Tape and reel packaging by:
 - 1500 pieces SG3
 - 1200 pieces SG4.

ORDERING INFORMATION

SG3	3	330 Ω	$\pm 5\%$	$\pm 150\text{ppm}/^\circ\text{C}$
MODEL	STYLE	OHMIC VALUE	TOLERANCE	TEMPERATURE COEFFICIENT
	3			
	4			