

# MEGGITT CGS

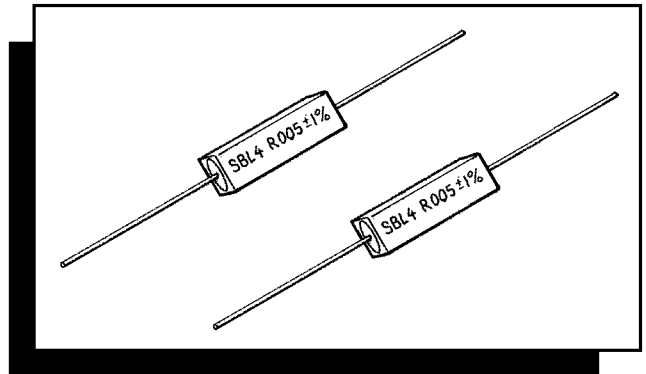
**HIGH VOLTAGE RESISTORS  
HIGH VALUE RESISTORS  
HIGH POWER RESISTORS  
ALUMINIUM CLAD RESISTORS  
CURRENT SENSE RESISTORS**

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## Low Ohmic - Current Sense Resistors

### TYPE SBL SERIES

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The SBL Series is a low ohmic non-inductive resistor with a low temperature coefficient in a fully insulated ceramic housing. It is ideal for applications in power supply regulation, motor control current monitoring, feedback control loops, overload sensors and radio frequency applications. The solid metal element has welded copper terminals and is encapsulated in a ceramic housing, filled with compressed silica sand.

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### MEGGITT CGS KEY FEATURES

- 4 WATTS AT 70°C
  - SOLID METAL ELEMENT
  - NON INDUCTIVE
  - LOW TEMPERATURE COEFFICIENT
  - 250°C MAX. TEMPERATURE
  - HIGH RELIABILITY
  - CUSTOM DESIGN ( SUBJECT TO VOLUME )
  - AVAILABLE IN DISTRIBUTION
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# SPECIFICATION

# TYPE SBL SERIES

## ELECTRICAL

Resistance Values:	R005, R01, R015, R018, R022, R033, R047, R051
Resistor Tolerance:	± 5%
Rated Dissipation:	4 Watts at 70°C
Dielectric Strength:	2000 Volts
Insulation Resistance:	1000 Meg Ohms
Load Life ( 1000 hours ):	± 3% average
Maximum Continuous Working Voltage:	$\sqrt{\text{Power} \times \text{Resistance}}$ AC RMS

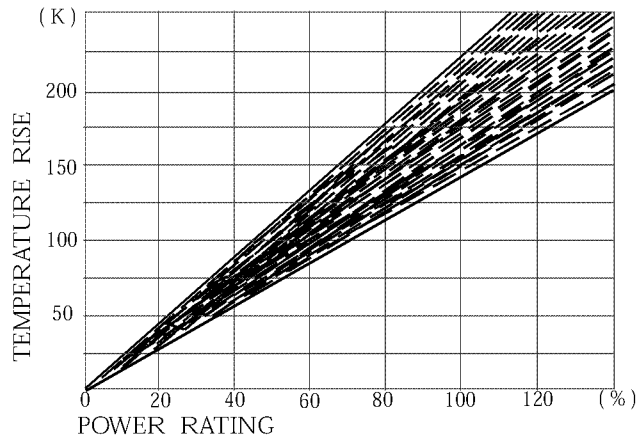
## ENVIRONMENTAL

Climatic Catagory:	-55 / 250 / 56
Temperature Range:	-55°C to +250°C
Derating:	Linear from 70°C to 250°C

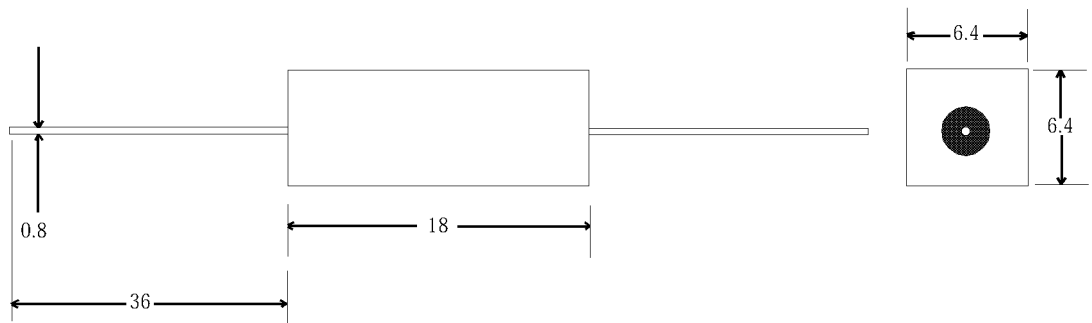
## MECHANICAL

Resistance to Solder Heat:	260°C ( $\Delta R \pm 0.2\%$ typical)
Terminal Strength:	3lb pull test
Solderability:	Meets MIL Std 202
Marking:	Black ink on ceramic body - Manufacturer, Resistor Value and Tolerance

## TEMPERATURE RISE



## DIMENSIONS



All Dimensions are Nominal and in mm Do Not Scale

## HOW TO ORDER

SBL	4	R051	J
COMMON PART	POWER DISSIPATION	RESISTOR VALUE	TOLERANCE
SBL - Standard	4 - 4 Watts	R005, R01, R015, R018, R022, R033, R047, R051	J - ± 5% Tighter Tolerances by Special Order



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