

# SL SERIES CARBON FILM RESISTORS



TYPE SL 51

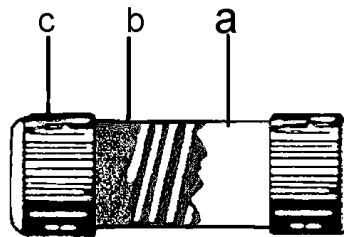
**FEATURES:**

- SPECIFICATION PER IEC 115-1
- CARBON FILM RESISTORS WITH SHINY METAL CAPS.
- WITHOUT COATING

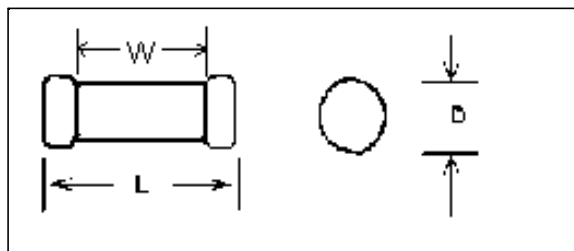
**APPLICATION:**

- DIRECT SOLDERING INTO P.C.BOARDS
- PRESS INTO METAL SPRINGS

**CONSTRUCTION**



- A) CERAMIC CORE (HIGH CONDUCTIVITY)
- B) CARBON FILM (HIGH STABILITY)
- C) NICKEL PLATING METAL END CAP



**DIMENSIONS:**

TYPE NO.	DIMENSIONS			
	WATT	$L \pm 0.1\text{mm}$	$D \pm 0.1\text{mm}$	W
SL 51	0.5W	7.9	3.0	4.6mm

# SL SERIES

## CARBON FILM RESISTORS



### TYPE SL51

#### CHARACTERISTICS:

ITEM	POWER RATED ( 70 )	SL 51 0.5W
MAX WORKING VOLTAGE		350V
MAX OVERLOAD VOLTAGE		700V
RESISTANCE TOLERANCE		± 5%
RESISTANCE RANGE		10R~9.1M

#### PERFORMANCE SPECIFICATIONS :

CHARACTERISTIC	SPECIFICATIONS	TEST METHODS
DC RESISTANCE	± 5%	AT 25
SHORT TIME OVER LOAD	± (2% ± 0.05R)	2.5 TIME RCWV 5 SEC.
LOAD LIFE	± (5% ± 0.05R)	70 , 1000 HRS.
LOAD LIFE IN HUMIDITY	± (5% ± 0.05R)	40 , 90-95%RH, 1000HRS.
TEMPERATURE CYCLING	± (1% ± 0.05R)	- 25 /105 ,5 CYCLING.
RESISTANCE TO SOLDERING HEAT	± (1% ± 0.05R)	350 , 3.5 SEC.

NOTE: RATED CONTINUOUS WORKING VOLTAGE (RCWV) SHALL BE DETERMINED FROM RCWV =  $\sqrt{\text{POWER RATING} \times \text{RESISTANCE VALUE}}$

#### POWER DERATING CURVE

