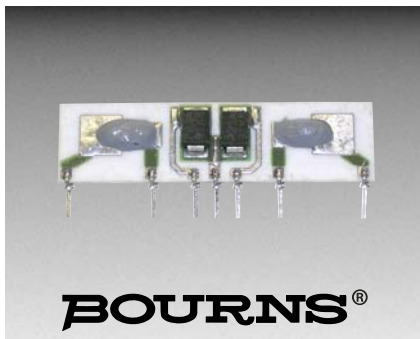




## Features

- Thick film technology
- Bourns patented thermal fuse
- Fail safe
- Protection to BELLCORE GR-1089-CORE

## Applications

- Analog Line Cards
- CPE (Customer Premises Equipment)
- DDS (Digital Data Systems)
- DLC (Digital Loop Carriers)
- T1/T3 Transmission Lines
- ISDN

# L11B Line Feed Resistors w/Thermal Fuse & Overvoltage Protectors

## Product Characteristics

|                       |                  |
|-----------------------|------------------|
| Resistor Tolerance    |                  |
| 20 ohms to 100 ohms   | ±1 %             |
| 5.6 ohms              | ±5 %             |
| Ratio Tolerance       |                  |
| 20 ohms to 100 ohms   | ±0.5 %           |
| 5.6 ohms              | ±2.5 %           |
| Operating Temperature | -40 °C to +85 °C |

## Environmental Characteristics

|                           |                         |
|---------------------------|-------------------------|
| TESTS PER MIL-STD-202     |                         |
| Humidity                  | 103B                    |
| Solderability             | 208D                    |
| Thermal Shock             | 107B                    |
| Resistance to Solvents    | 215                     |
| Resistance to Solder Heat | 210D                    |
| Flammability              | UL 94V-0<br>IEC 695-2-2 |

## Functional Characteristics

|                                   |          |
|-----------------------------------|----------|
| Bellcore GR-1089-CORE             |          |
| ITU-T K.20                        |          |
| Lightning Surge                   | 1 KV     |
| Power Induction                   | 600 Vrms |
| Power Contact                     | 230 Vrms |
| UL 497A                           |          |
| FCC Part 68.302 Rules (d) and (e) |          |

## Physical Characteristics

|                                        |                               |
|----------------------------------------|-------------------------------|
| Body Style                             | Open Frame SIP                |
| Body Material                          | 96% Alumina                   |
| Lead Frame Material                    | Copper, solder coated         |
| Standard Parts Available Off the Shelf | 5.6, 10, 20, 30, 50, 100 ohms |

## How To Order

**L11B 100AA**

Model \_\_\_\_\_  
(L11B = LFR w/Thermal Fuse and Overvoltage Protectors\*)

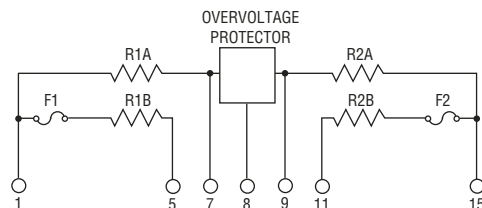
- Resistor Tolerance
- 5R6AA = 5.6 ohms
  - 010AA = 10 ohms
  - 020AA = 20 ohms
  - 030AA = 30 ohms
  - 050AA = 50 ohms
  - 100AA = 100 ohms

Custom values available; contact factory.

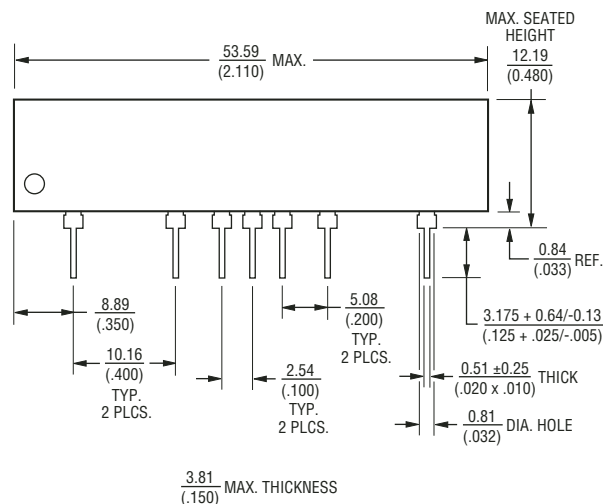
\*Specify Overvoltage Protection:

- Specify peak pulse current rating
- Specify minimum turn on voltage
- Provide schematic showing desired configuration

## Circuit Schematic



## Product Dimensions



DIMENSIONS:  $\frac{\text{MM}}{\text{(INCHES)}}$



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