

BOURNS®

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 |
| | 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 _____

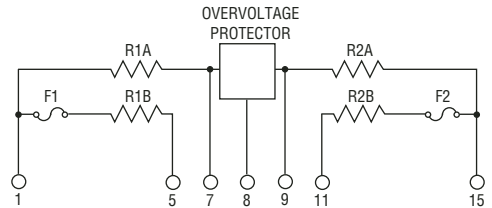
- 5R6AA = 5.6 ohms
- 010AA = 10 ohms
- 020AA = 20 ohms
- 030AA = 30 ohms
- 050AA = 50 ohms
- 100AA = 100 ohms

Custom values available; contact factory.

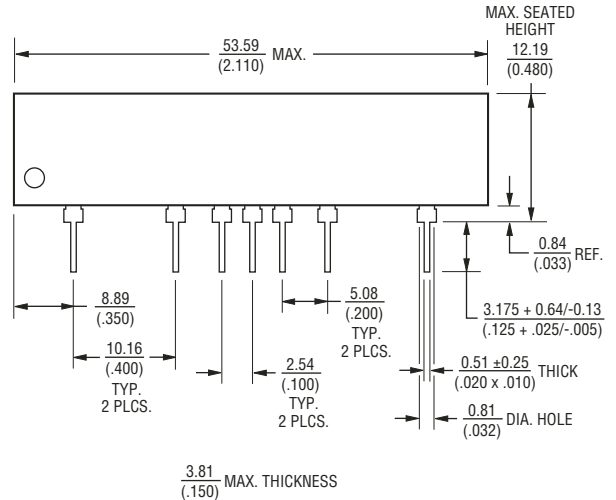
*Specify Overvoltage Protection:

- 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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