

**BOURNS®**

**Features**

- Thick film technology
- Bourns patented thermal fuse
- Fail safe
- Protection to ITU-T K.20

**Applications**

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

**L21 Line Feed Resistors w/Thermal Fuse**

**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**

ITU-T K.20	
Lightning Surge .....	1 KV
Power Induction.....	600 Vrms
Power Contact.....	230 Vrms
UL 497A	

**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, 20, 30, 50, 100 ohms

**How To Order**

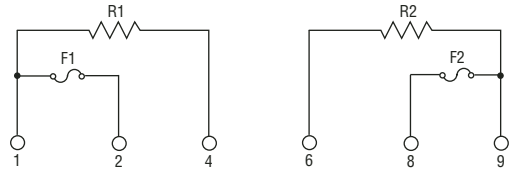
**L21 A100AA**

Model \_\_\_\_\_  
 (L21 = LFR w/Thermal Fuse)

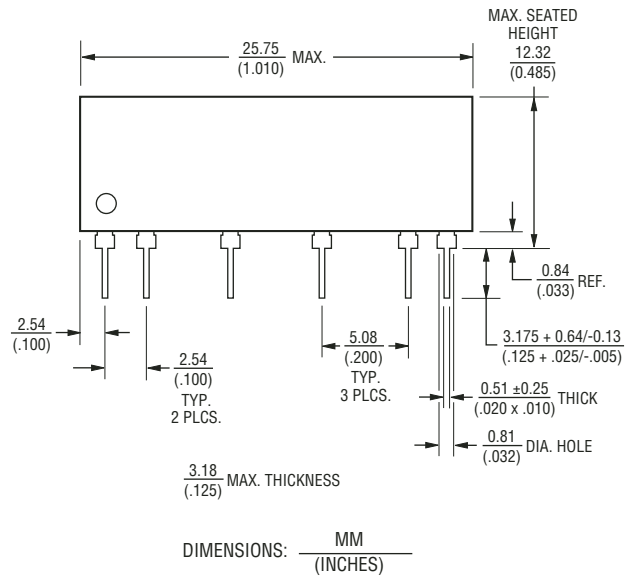
Resistor Tolerance \_\_\_\_\_  
 • A5R6AA = 5.6 ohms  
 • A020AA = 20 ohms  
 • A030AA = 30 ohms  
 • A050AA = 50 ohms  
 • A100AA = 100 ohms

Custom values available; contact factory.

**Circuit Schematic**



**Product Dimensions**



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