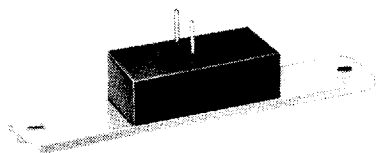


35 AMP OVERVOLTAGE PROTECTORS

L-35-OV



FEATURES

- Temperature compensated trip point
- Suitable for any current limited DC source
- No additional components required

DESCRIPTION

The L-35-OV Series of overvoltage protectors are hybrid devices designed to prevent damage to a load caused by excessive power supply output voltage. Load protection is accomplished by effectively short circuiting the output terminals of the power supply when the trip point voltage limit of the overvoltage protector is exceeded. The L-35-OV is reset when power to the overvoltage protector is interrupted and its case temperature has fallen below 71°C. An external heatsink (often the power supply chassis) is required to maintain case temperature below rated limit.

The L-35-OV Series is available for nominal supply voltages from 5 to 15 volts. The trip point voltage is fixed and cannot be adjusted. This two terminal device is available in a hybrid package with an isolated flange.

ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	MAXIMUM	UNITS
On State Voltage ¹	V_{DC}	2.2	Volts
On State Current	I_{DC}	35	Amps
Non-Repetitive Peak ² Surge Current	I_{PK}	350	Amps
Standby Current	I_O	30	mA
On State Power Dissipation	P_D	77	Watts
Operating Case Temperature Range	T_{CASE}		
Conducting		-40 to 140	°C
Non-conducting		-40 to 100	°C
Storage Temperature Range	T_{STG}	-40 to 125	°C

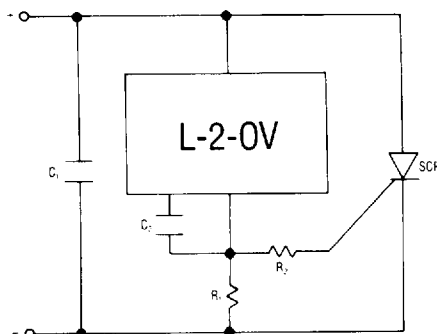
⁽¹⁾ Kelvin connections required.

⁽²⁾ For sinusoidal current duration of 8.3ms maximum.

DEVICE SELECTION GUIDE 16

DEVICE	NOM SUPPLY VOLTAGE (VOLTS)	TRIP POINT VOLTAGE* (VOLTS)
L-35-OV-5	5	6.6 ± 0.3
L-35-OV-12	12	13.8 ± 0.5
L-35-OV-15	15	17.0 ± 0.5

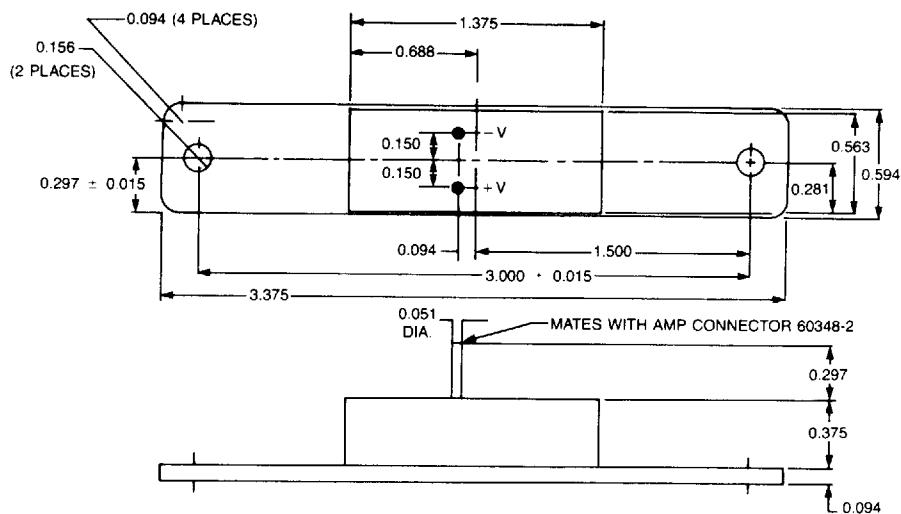
BLOCK DIAGRAM



L-35-OV

35 AMP OVERVOLTAGE PROTECTORS

DEVICE OUTLINE



NOTE: All dimensions are in inches.