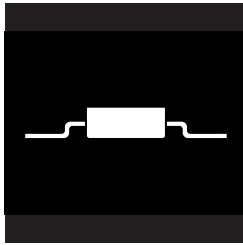


SURFACE MOUNT 1.5 AMP HIGH VOLTAGE POSITIVE AND NEGATIVE ADJUSTABLE REGULATOR



Dual Positive And Negative Adjustable High Voltage Regulators In Isolated Hermetic Surface Mount Package

FEATURES

- Similar To Industry Standard LT117AHV And LT137AHV
- Adjustable Output Voltage
- Built In Thermal Overload Protection
- Short Circuit Current Limiting
- Hermetic 6-Pin Metal Surface Mount Package
- Maximum Output Voltage Tolerance Is Guaranteed To $\pm 1\%$
- Available Hi-Rel Screened

DESCRIPTION

This device offers a positive and negative adjustable regulator in one hermetically sealed 6-pin surface mount package. All protective features are designed into the circuit, including thermal shutdown, current limiting, and safe-area control. With heat sinking, these devices can deliver up to 1.5 amps of output current. This device is ideally suited for military applications where small size and high reliability is required.

ABSOLUTE MAXIMUM RATINGS

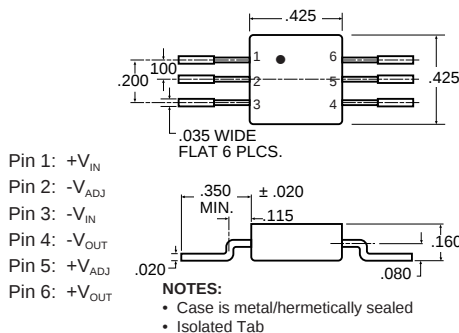
Input - Output Voltage Differential - LT117AHV Positive Regulator	 + 60 V
Input - Output Voltage Differential - LT137AHV Negative Regulator	 - 50 V
Power Dissipation (P_D) (Internally Limited)	 20 W
Operating Junction Temperature Range	 - 55°C to + 150°C
Storage Temperature Range	 - 65°C to + 150°C
Lead Temperature (Soldering 10 seconds)	 300°C
Thermal Resistance:	

θ_{JC} 4.2°C/W

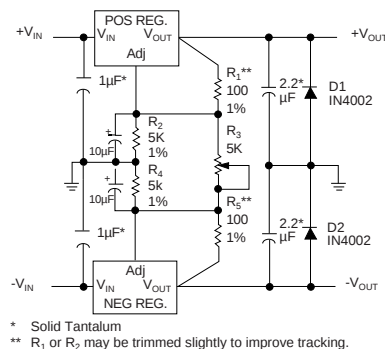
θ_{JA} 42°C/W

Maximum Output Current 1.5 A

MECHANICAL OUTLINE



DUAL TRACKING SUPPLY $\pm 1.25V$ TO $\pm 20V$



3.3

For additional test conditions and limits, see Sect. 3.5, pg. 3.5 - 151.