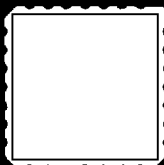


SURFACE MOUNT 0.5 VOLT LOW DROPOUT POSITIVE REGULATOR



Isolated Hermetic Surface Mount Package
Three Terminal, Fixed Voltage, 1 Amp Low
Dropout Voltage Regulator

FEATURES

- Similar To Industry Standard LM2940
- Dropout Voltage Typically 0.5V @ $I_O = 1A$
- Output Current Typically 1A
- Reverse Battery Protection
- Internal Short Circuit Protection
- Isolated Hermetic Surface Mount Package
- Available Screened To MIL-STD-883

DESCRIPTION

These three terminal fixed voltage regulators are designed to provide 1.0A with high efficiency. It has the ability to source 1A of output current with a typical dropout voltage of .5V and a maximum of 1V over the entire temperature range. It is supplied in a hermetic surface mount package and is ideally suited for Military applications where small size and high reliability are required.

ABSOLUTE MAXIMUM RATINGS @ 25°C

Input Voltage	26 Vdc
Output Voltage	+5V, +12V, +15 Vdc
Operating Junction Temperature Range	- 55°C to + 125°C
Storage Temperature Range	- 65°C to + 150°C
Lead Temperature (Soldering 10 Seconds)	300°C
Thermal Resistance:	
θ_{JC} (Isolated).	15°C/W
Maximum Output Current	1.0A

3.3

For additional test conditions and limits, see Sect. 3.5, pg. 3.5 - 57.