

**OPERATING INSTRUCTIONS FOR  
MINI ENCAPSULATED  
DC-DC Converters with touch safe terminal blocks**

**INPUT VOLTAGE:** Nominal voltage 9-18 Vdc.

**OUTPUT VOLTAGE ADJUSTMENT (Trim):** Output is factory set to within  $\pm 1\%$  of the nominal output voltage rating. If necessary, these power supplies can be more precisely calibrated to the nominal value by the use of an external trim resistor connected between the 'T/C' terminal and one of the output terminals. Connecting the resistor from the 'T/C' terminal to the (+) output terminal decreases voltage, and connecting to the (-) output terminal increases it. Begin trimming with approximately 1 megohm resistance, and decrease resistance until calibration is attained. Do not use a resistance value of less than 20K. Trimming the output to a voltage other than the nominal rating may adversely affect performance and may result in damaging the supply.

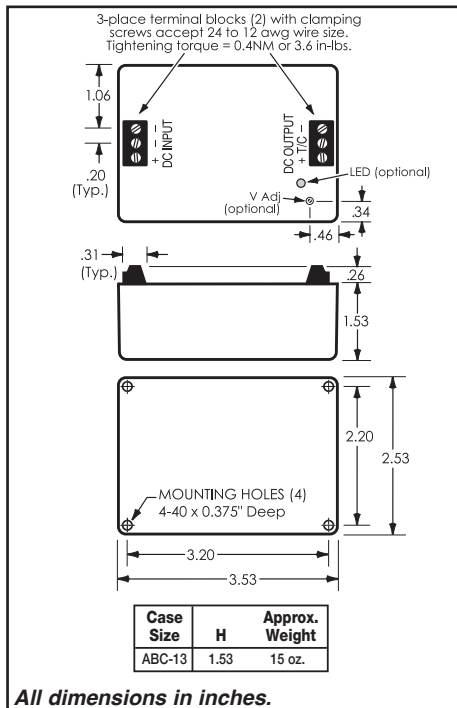
**SHORT CIRCUIT PROTECTION:** All Acopian Mini Encapsulated power supplies are of rugged construction and designed to withstand substantial overloads or short circuits for reasonable lengths of time. Prolonged operation under overloaded or shorted conditions is not recommended.

**TRANSIENT INFORMATION:** If the DC input power contains large voltage spikes ('noise'), the input power leads to the supply should include some means of transient suppression. Otherwise, a portion of the noise may be coupled through the supply to the load. Also, the supply could be damaged.

**INSTALLATION:** 4-40 threaded holes are provided for mounting. Holes in the mounting surface must be in alignment with the power supply mounting holes and mounting screws should not be tightened excessively; otherwise the resultant stress may damage the case.

**FUSING:** Each unit is internally fused at 10A.

**CASE DRAWING:**



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