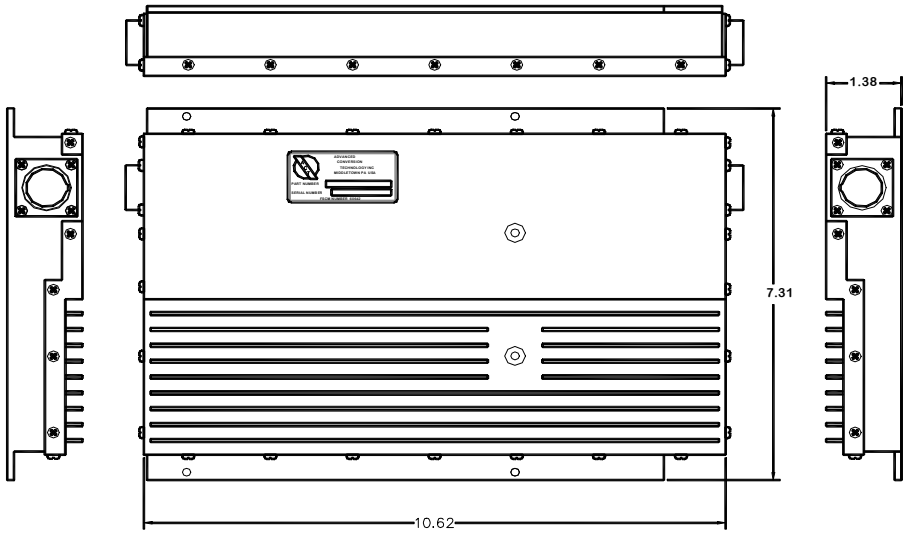
Advanced Conversion Technology, Inc.

UP TO 1200W
DC/DC POWER SUPPLY
ONE TO THREE OUTPUTS
SR – 1687-3

This DC/DC Power Supply provides a rugged mechanical and electrical configuration utilizing COTS components capable of producing 300 to 1200 watts of output power. One, two or three different output voltage configurations, ranging from 5V to 48VDC, can be implemented in this package. A variety of input voltage ranges are available depending on the output voltage and power selected. Heat transfer occurs through the baseplate.

FEATURES

One, Two or Three Outputs
Multiple Voltage Levels
Short Circuit Protection
Highly Reliable
Factory Repairable
Inrush Limiting Circuit
Input/Output Isolation
78% Efficiency



ELECTRICAL CHARACTERISTICS

Input Voltage: 18 to 50 VDC (300 watts)
(or) 18 to 36 VDC (1200 watts)
(or) 36 to 75 VDC (1200 watts)

Input Transient: 80VDC for 0.1 sec
Baseplate Cooling

Outputs: +5VDC, +12VDC, +24VDC, +28VDC & +48 VDC

Environmental:		
	Temperature:	A number of different ranges from; -51ºC to +75ºC
	Vibration:	MIL-STD-810D Method 514.3, Proc I & II, Cat. 1, 2 & 8
	Shock:	40G per MIL-STD-810D, Method 516.3, Procedure I

Connectors: Input & Output; 38999 Style, based on output voltages and power

Specifications subject to change without notice

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Phone: (717) 939-2300 Fax: (717) 939-7170 Website: www.actpower.com E-mail: mail@actpower.com