APPLIED POWER CONVERSION Division of TECHNOLOGY DYNAMICS INC.

XTDRSP-1500 SERIES 1500 WATT SINGLE OUTPUT DC-DC CONVERTER 11" x 5" x 3.3" RUGGED, HIGH POWER

APPLICATIONS

The XTDRSP series 1500W DC-DC Converter provides highly regulated output power from 1500 watts. Rugged construction and superior quality make this DC-DC Converter ideal for harsh environment applications. Available in standard, modified or fully custom configurations, for industrial, commercial, COTS, Ruggedized and Military applications.

STANDARD FEATURES

- Full Range Input
- Low Noise and Ripple
- Built In DC Fan for Cooling
- Current Share Function
- DC Good Signals
- Remote On/Off & Remote Sense Functions
- Rugged Construction
- High Reliability/Superior Quality

AVAILABLE OPTIONS

- Hot Swap
- Parallel Operation
- ORing Diode for Redundant Operation
- Rack / Panel Mount
- Ruggedized for Shock & Vibration
- Conformal Coating

SAFETY AND EMISIONS

- Designed to meet UL/cUL60950-1
- Designed to meet TUV EN60950-1
- Designed to meet EN55022 (Class A)
- Designed to meet EN5024
- Designed to meet EN61000-3-2-3



SPECIFICATIONS

INPUT SPECIFICATIONS:

Input: 125VDC (120-132VDC) Inrush Current: 40A max @ 1/2 cycle Efficiency: 85% typical (depending on output model) Hold-up time: 16ms at full load (minimum)

OUTPUT SPECIFICATIONS

Adjustment Range: -5/+10% (minimum) Minimum Load: none Regulation: Line ±1% (except 5V=±2.5%) line load and temperature Ripple/Noise: 150 -200mV peak to peak maximum (20 MHz) Set Point Accuracy: ±1%(except 5V=±2%) (maximum) Output voltage adj: -5/+10% minimum Overcurrent Protection: 105-135% automatic recovery Overlvoltage Protection: 115-150% of V1 nominal

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature: 0°C to +50°C Derate to 50% @ 70°C Storage Temperature: -40°C to +85°C max Cooling: Internal ball bearing DC fan Humidity: 20-90% RH non condensing Vibration: 10-500Hz, 2G 10min/1cycle for 60 min (3 axes) Shock: 20G Peak Acceleration Weight: Approx: 5.73lbs Size: 11" x 5" x 3.3"

NSF-ISR Registered to ISO 9001

Design Excellence since 1976!

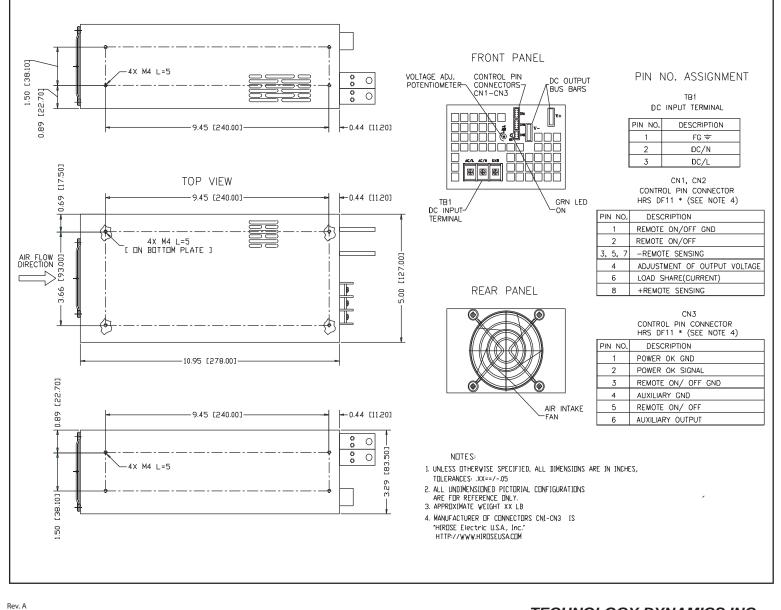
MODEL SELECTION

MODEL	VOLTAGE	CURRENT
XTDRSP-1500-5	5V	240A
XTDRSP-1500-12	12V	125A
XTDRSP-1500-15	15V	100A
XTDRSP-1500-24	24V	63A
XTDRSP-1500-27	27V	56A
XTDRSP-1500-48	48V	32A

OPTION DESIGNATIONS

- ORD	Redundant Operation (N+1)	
- PAR	Parallel Operation	
- MIL	Ruggedized/Militarized	
- RK	Rack Mount	
- PNL	Panel Mount	
- CC	Conformal Coating	
- HSP	Hot Swap	

MECHANICAL OUTLINE



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

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