

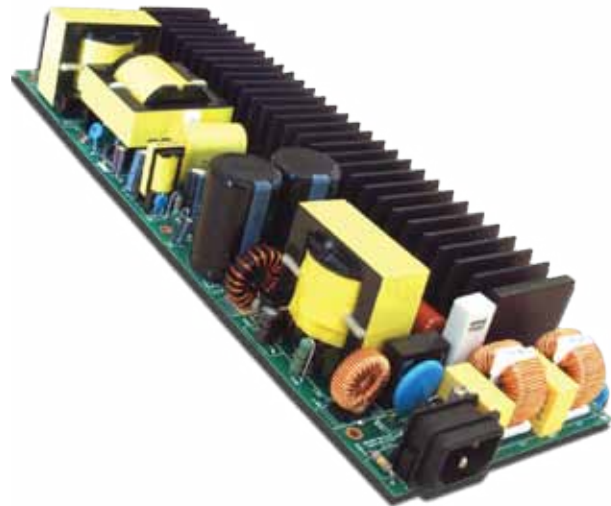


REV: 05262010

ITE / EMBEDDED POWER SUPPLY

## PRODUCT FEATURES:

- **Designed for Audio/Video Equipment Applications**
- **Universal AC Input; 48Vdc Output**
- **Active PFC for EN61000-3-2 Class D Compliance**
- **High Efficiency Operation**
- **Low-Cost Open Frame Design**
- **750 Watts Free Air Convection Cooled (1250 Watts Peak for up to 5 Minutes)**
- **Integrated IEC-320 Power Inlet (AC Receptacle)**
- **Meets Conducted EMI Class B**
- **International Safety Approvals**



## INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (90 ~ 264 VAC) DC Input Capable: 127V ~ 370VDC
FREQUENCY	47 ~ 63 Hz
INRUSH CURRENT	≤70A @ 230VAC Full Load (Max Cold Start)
CURRENT	6A @ 230VAC (Max Continuous)
PROTECTION	Single 8A Fuse / 250V Rated
LEAKAGE	≤ 750uA Max @ 230 VAC
HOLD-UP	16ms @ 230VAC (Full Load)
HARMONICS	EN61000-3-2 Class D Compliant (>98PF)

## OUTPUT SPECIFICATIONS:

LINE REGULATION	± 1% max, across full input range
LOAD REGULATION	± 1% max, across full load range
RIPPLE	± 1% p-p, max (20MHz BW)
SETPPOINT ACCURACY	±1%
OVERCURRENT	110~135% (Auto-Recovery)
OVERVOLTAGE PROTECTION	105~115% (Recycle input to reset)
SHORT CIRCUIT	Continuous Protection (Auto Recovery)
CAPACITANCE	Requires 10,000uF external capacitance

## SAFETY STANDARDS:

CSA	CSA 22.2 NO. 60065 (Audio/Video Equipment)
UL/CUL	60065 (Audio/Video Equipment)
EN	EN60065 (Audio/Video Equipment)

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	0°C ~ 45°C
STORAGE TEMPERATURE	-40°C ~ +85°C
OPERATING HUMIDITY	10% ~ 90% RH (non-condensing)
STORAGE HUMIDITY	5% ~ 95% RH (non-condensing)
COOLING	Convection Cooled
VIBRATION	10-55Hz, 2G, 3min period/60min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>100K Hours (Per Mil STD 217)
SIZE (INCHES)	4.57" x 13.38" x 1.97"

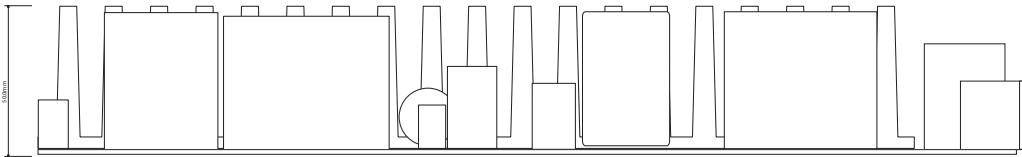
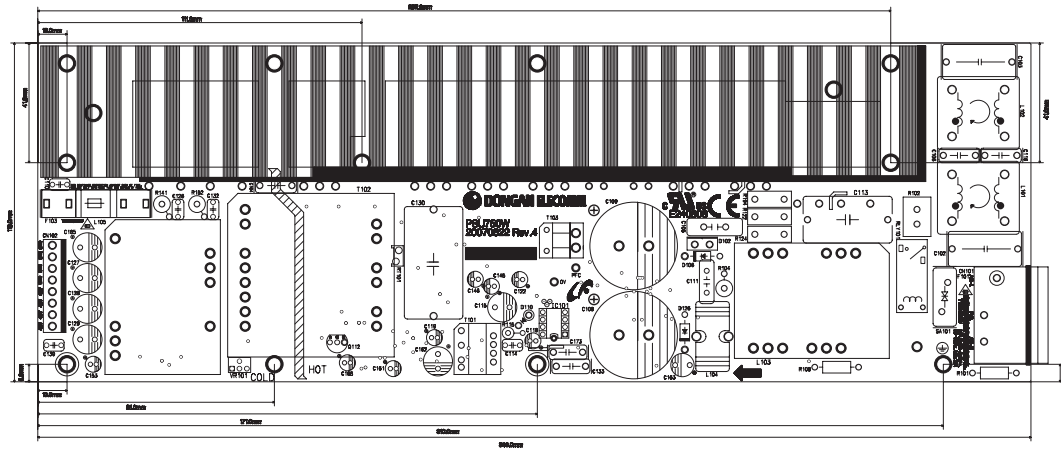
## EMISSIONS:

EMISSIONS	EN55022 Level B / FCC Part 15 Subpart J Class B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT/BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3



Output Models:	V1 Output		
	VDC	A (Min)	A (Max)
PSU-750-48	48V	0.0A	15.6A

**OUTLINE DRAWING:**



OUTPUT CONNECTOR:  
Phoenix Contact: Model # 644753-8

Pins 1~4: +48V  
Pins 5~8: RETURN

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