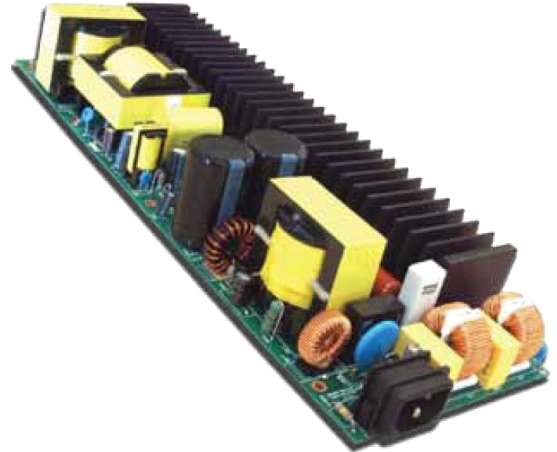




## PSU-750-48

### 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 ~ 264Vac) DC Input Capable: 127V ~ 370VDC
FREQUENCY	47-63Hz
INRUSH	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 TIME	16ms @ 230VAC (Full Load)
HARMONICS	EN61000-3-2 Class D Compliant (>98PF)

### General Specifications:

OPERATING TEMP.	0°C ~ +45°C
STORAGE TEMP.	-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, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>100k Hours (Per MIL STD 217)
SIZE(Inches)	4.57" x 13.38" x 1.97" (116mm x 340mm x 50mm)

### 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)
SETPOINT ACCURACY	±1%
OVER-CURRENT	110-135% (Auto-Recovery)
OVERVOLTAGE PROTECTION	105~115% (Recycle input to reset)
SHORT CIRCUIT	Continuous Protection (Auto Recovery)
CAPACITANCE	Requires 10,000uF external capacitance

### Electromagnetic Compatibility: (TBD)

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, 26KHz-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

### Safety Standards:

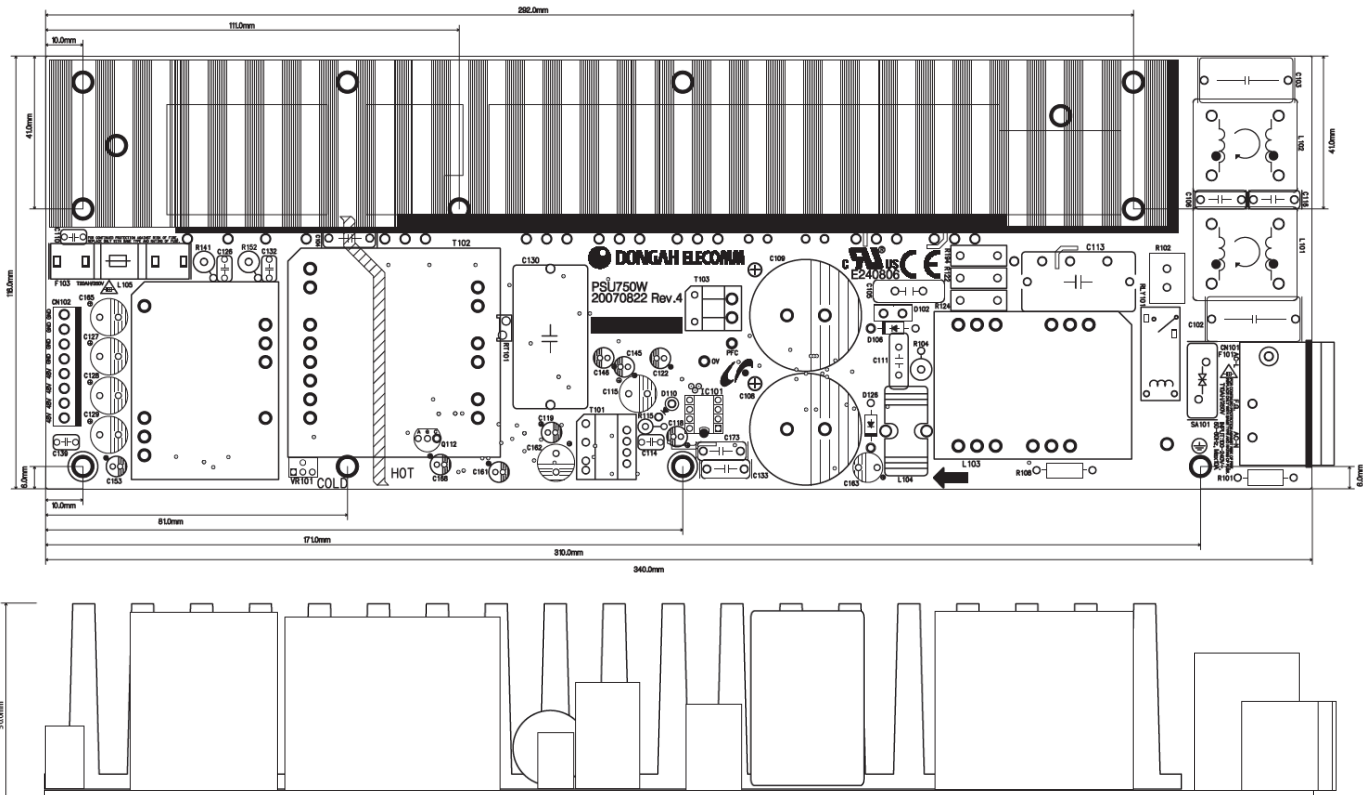
CSA	CSA 22.2 NO. 60065 (Audio/Video Equipment)
UL / CUL	60065 (Audio / Video Equipment)
EN	EN60065 (Audio / Video Equipment)

## PSU-750-48

### Output Specifications:

MODEL	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