

## ***HARMONIC CORRECTION (PFC) AC/DC MEDICAL APPLICATION EXTERNAL DESKTOP ADAPTER UNIVERSAL INPUT SINGLE OUTPUT 150 WATTS GREEN POWER SWITCHING POWER SUPPLIES HEMP150G SERIES***

**NO AVAILABLE YET**

### **FEATURES:**

- ACCOMMODATE UNIVERSAL AC INPUT
- DESKTOP IEC320-3P/3PL/2P AC RECEPTACLE
- GREEN POWER DESIGN
- MEET MEDICAL STANDARDS  
EN60601-1/UL60601-1
- EMI MEET EN55011/FCC CLASS B
- MEET UNIVERSAL SAFETY STANDARDS

### **SPECIFICATION**

#### **INPUT SPECIFICATION**

**Input Voltage:** 90-264Vac typical.  
Power Factor Correction (PFC) installed.

**Input Connector:** IEC320-3P/3PL/2P AC receptacle.

**Input Frequency:** 50/60Hz.

**Inrush Current:** 7.2Arms @230Vac 50Hz.

**Input Current:** 1.2A@115Vac/0.7A@230Vac

**Dielectric Withstand:** Meet IEC60601-1.

**EMI:** Meet EN55011/FCC Class B.

**Hold-up Time:** 22mS @115Vac/ 43mS@230Vac typical.

**Green Power:** less than 0.5W.

**Earth Leakage:** Less than 0.3mA.

#### **OUTPUT SPECIFICATION**

**Output Voltage:** See Ratings Chart.

**Output Current:** See Ratings Chart.

**Output Wattage:** 150 Watts.

**Output Connector:** Optional.

**Line Regulation:** 0.3 % typical.

**Load Regulation:**  $\pm 2$  % typical.

**Tolerance:**  $\pm 4$ %.

**Noise & Ripple:** 1% typical peak to peak.

**OVP:** Built-in. (Latch)

**Adjustability:** Not available.

**Over Temp. Protection (OTP):** Installed.

**Overload Protection (OLP):**  
Fully protected against output overload and short circuit.  
OLP set at about 110-135% rating output wattage.  
Consult the factory for OLP setting.

#### **GENERAL SPECIFICATION**

**Efficiency:** 87-90% typical.

**Switching Frequency:** 40-65 KHz.

**Circuit Topology:** Fixed Flyback Circuit.

**Transient Response:** Output voltage returns in less than 1mS following a 25% load change.

**Safety Standard:** Meet Medical standards UL60601-1 / EN60601-1 Class I or II. Harmonic Current Emission, EN61000-3-2 compliance.

**Operating Temperature:** 0 to +40°C without derating.

**Storage Temperature:** -20 to +85°C.

**Temperature Coefficient:** 0.04%/°C typical.

**Cooling:** Free air convection.

**Construction:** Impact resistant plastic enclosure case.

**Power Density:** 3.53-4.38 Watts/Cubic inch.

**Desktop Format.**

## OUTPUT VOLTAGE/CURRENT RATINGS CHART

### SINGLE OUTPUT

MODEL NO.	AC PLUG	O/P VOLTAGE	O/P CURRENT
HEMP150G-S120100-7	DT7	12Vdc	10.00A
HEMP150G-S120100-7L	DT7L	12Vdc	10.00A
HEMP150G-S120100-8	DT8	12Vdc	10.00A
HEMP150G-S190650-7	DT7	19Vdc	6.50A
HEMP150G-S240625-7	DT7	24Vdc	6.25A
HEMP150G-S240625-7L	DT7L	24Vdc	6.25A
HEMP150G-S240625-8	DT8	24Vdc	6.25A

### MECHANICAL DIMENSIONS: MM [INCHES]

