



Medical PSU FSP105-KHAM1

DESCRIPTION

This series of AC/DC switching power supplies are for 90-105 watts of continuous output power. They are enclosed in a 94V-1 rated polyphenylene-oxide case with an IEC320/C14 inlet to mate with interchangeable cord for world-wide use. All models meet EN55011, EN55022 and FCC class B emission limits, and are designed for medical applications.



FEATURES

- Low safety ground leakage current
- Wide input range 90 to 264 VAC
- OVP, OCP, OTP protection
- Compliant with CEC and Energy Star Efficiency level V requirements
 - * No load power consumption less than 0.5 W
 - * Average active efficiency greater than 87%
- Peak power (2 times of rated power) for voltage below 24V models
- Optional output connectors

WATTAGE

Wattage: 90W

DIMENSION

Dimension: 146.2mm(L) x 75.2mm(W) x 39.0mm(H)

INPUT SPECIFICATION

Input Range: 90-264 Vdc
Input Frequency: 47-63 Hz
Input Current: 1.4A(rms) for 115VAC,
0.7A(rms) for 230VAC
Leakage Current: 200 μ A max. @ 264 VAC, 63 Hz

SAFETY STANDARD APPROVAL



OUTPUT SPECIFICATION

Ripple & Noise: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500 μ s after a 25% step load change
Over Current Protection: Protected to short circuit conditions

ENVIRONMENTAL SPECIFICATION

TEMP.Range: Operating Temperature: 0°C to +60°C
Storage Temperature: -40°C to +85°C

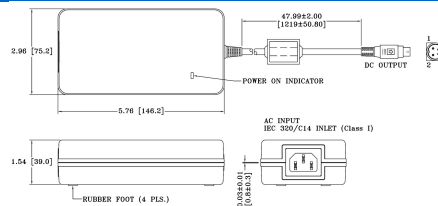
OUTPUT ELECTRICAL

Single Output: 12 V / 7.5 A

NOTES

- For 10 seconds maximum, average power not to exceed maximum power rating.
- Ripple and noise is maximum peak to peak voltage value measured at output within 20 MHz bandwidth, at rated line voltage and output load ranges, and with a 10 μ F tantalum capacitor in parallel with a 0.1 μ F ceramic capacitor across the output.

MECHANICAL SPECIFICATION



This content is subject to change, please refer to specification for more detail.
FSP reserve the right to change the content without prior notice