Medical PSU
FSP105-KEAM1

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%
- Optional output connectors

WATTAGE

Wattage:	105W

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) for115VAC, 0.7A(rms) for230VAC
Leakage Current:	200 μA max. @ 264 VAC,63 Hz

SAFETY STANDARD APPAOVAL

OUTPUT SPECIFICATION

Ripple & Noise:	Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500 us 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℃

OUTPUT ELECTRICAL

Single Output:	36 V/ 2.92 A

NOTES

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 μF tantalum capacitor in parallel with a 0.1 μF ceramic capacitor across the output.

MECHANICAL SPECIFICATION