

MPU16B series

15W Desktop type switching power supplies for Medical Equipment

The MPU16B series of AC/DC switching mode power supplies provide 15 Watts of continuous output power and is well-suited for a variety of applications. All supplies are UL 94V-1 min compliant. All models comply with ANSI/AAMI ES 60601-1: 2005(UL/cUL 3rd Edition), EN 60601-1:2006 (TUV/T-mark 3rd Edition) and new CE requirements. All units are 100% burned-in and tested.



Agree to apply for the PSE if order on hand

Features

Wide Operating Voltage 80 to 275 VAC, 47 to 63 Hz

IEC-320-C8 Input Inle

Single Output

Class II

Medical Safety 3rd (EN60601-1 3rd Edition)

Input to Output : 2MOPP

5 year warranty

Specification & safety report



Data
sheet (MPU16B)



CB



CE



FCC



UL (NOA)



PSE (102~106)



CCC



TUV T-mark

Electrical characteristics

Efficiency: 73% min.

Line Regulation: 1% max.

Load Regulation: 5% max.

Hold-up Time: 16mS Typ.

Output ripple and noise: 0.5% (Typ.).

Environmental

Operating Temperature: -10 to 70°C

Derate linearly from 100% load at 50°C to

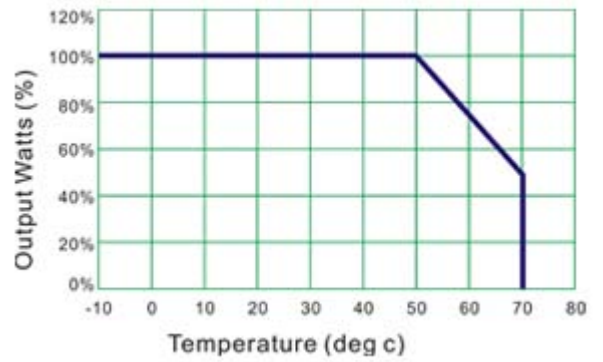
50% load at 70°C

Storage Temperature: -40~85°C

Operating Humidity : 0~95%

Storage Humidity: 0~95%

MTBF: 100,000 calculated hours



| Model No. | Output Voltage | Max. Output Current | Total Regulation | Max. Output Power | Certificate |
|--------------|----------------|---------------------|------------------|-------------------|--|
| > MPU16B-102 | 5~6 VDC | 2.60~2.16 A | 5% | 13W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, PSE, RoHS2 |
| > MPU16B-103 | 6~8 VDC | 2.16~1.62 A | 5% | 13W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, PSE, RoHS2 |
| > MPU16B-104 | 8~11 VDC | 1.87~1.36 A | 5% | 15W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, PSE, RoHS2 |
| > MPU16B-105 | 11~13 VDC | 1.36~1.15 A | 5% | 15W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, PSE, RoHS2 |
| > MPU16B-106 | 13~16 VDC | 1.15~0.93 A | 5% | 15W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, PSE(13~15V), RoHS2 |
| > MPU16B-107 | 16~21 VDC | 0.93~0.71 A | 5% | 15W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, RoHS2 |
| > MPU16B-108 | 21~27 VDC | 0.71~0.55 A | 3% | 15W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, RoHS2 |
| > MPU16B-109 | 27~33 VDC | 0.55~0.45 A | 3% | 15W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, RoHS2 |
| > MPU16B-110 | 33~36 VDC | 0.45~0.41 A | 3% | 15W | UL/cUL, CB, CE, FCC, TUV T-mark, CCC, RoHS2 |