



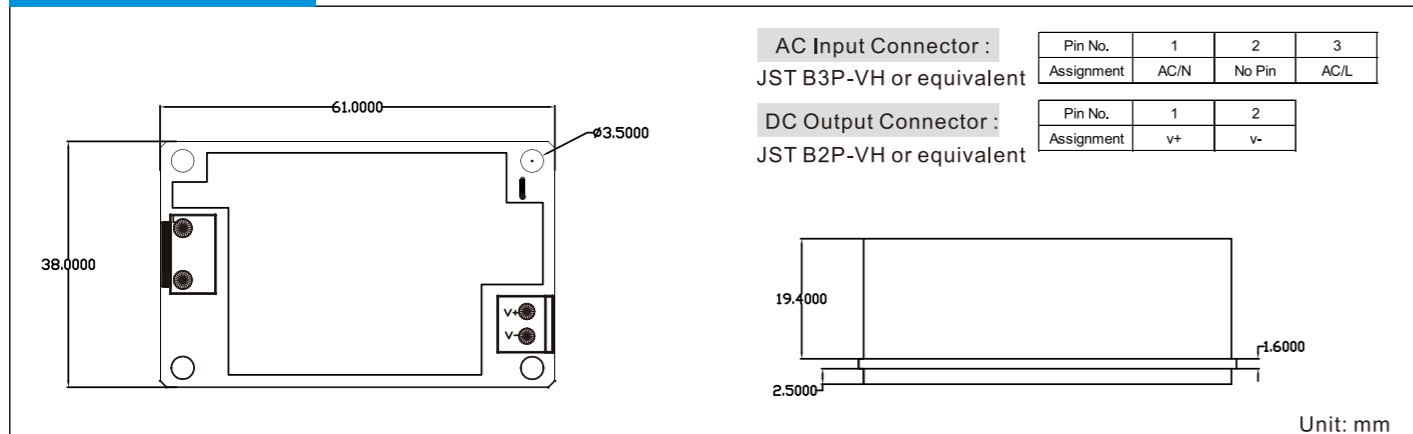
Product Features

- Medical & ITE safety meet
- 2 MOPP input to output isolation
- Efficiency greater than 82% @ Full load and half load
- Leakage current < 100µA
- ≤ 0.1W standby power
- Up to 5,000m operating altitude

Models & Ratings

Model Number	Voltage	Current	Rated Power	Ripple & Noise (max)(*1)	Voltage Tolerance	Line & Load Regulation	Efficiency (typ.)	Start Up Delay
DP15-XXXXXXSPA-OP	15.0	0.01-1.00	15W	200mVpk-pk	±5%	Line: ±5% Load: ±5%	82.0%	≤3s

Mechanical Details



Notes
(*1) Measured at output connector with 20MHz bandwidth and 0.1uF ceramic in parallel with 10uF electrolytic capacitors.

Input

Input Voltage Range	90-264VAC
Frequency Range	47-63Hz
Input Current	0.5A at 100VAC
Inrush Current	100A max at 240VAC cold start
Touch Leakage Current (max)	< 100µA at 264VAC

Environmental

Operating Temperature	0°C to 70°C
Storage Temperature	-20°C to 70°C
Operating Humidity	10% to 90% RH, non-condensing
Storage Humidity	5% to 90% RH
Operating Altitude	5,000m

General

Dimensions	61(L) 38(W) 23.5(H)mm
Weight	40g
MTBF	>100,000hrs MIL-HK8K-217 at 25°C
Isolation	5,656VDC Input to Output

Protection

Overload	120-200% rated output power, auto recovery
Over Voltage	120-150% rated output voltage input to reset
Short Circuit	Trip and restart (hiccup mode)

Safety Approvals

Safety Agency / Mark	Medical	ITE(Meet)
CB	IEC60601-1	IEC62368-1

EMC

Emissions	Medical	ITE
Conducted	IEC/EN 60601-1-2, CISPR 11	EN55032, CISPR 32
Radiated	IEC/EN 60601-1-2, CISPR 11	EN55032, CISPR 32
Harmonic Currents	EN61000-3-2, Class A	EN61000-3-2, Class A
Voltage Flicker	EN61000-3-3	EN61000-3-3
Immunity	IEC/EN 60601-1-2	EN55035, CISPR 35
ESD	EN61000-4-2	±15kV air, ±8kV contact
Radiated Immunity	EN61000-4-3	10V/m, 3V/m 80MHz - 2.7GHz
EFT/Burst	EN61000-4-4	±2kV on AC port, ±1kV on signal ports
Surge	EN61000-4-5	±2KV line to line (diff mode)
Conducted Immunity	EN61000-4-6	3Vrms, 6Vrms (0.15MHz-80MHz)
Magnetic Field	EN61000-4-8	30 A/m
Dips & Interruptions	EN61000-4-11	0%, 70%, 0% of UT

Others

Dielectric Withstand Voltage	5,656VDC input to output
Insulation Resistance	10M Ohms, 500VDC input to output