



SMF08Q – SMF12Q Series

Date: 9/29/17

8 - 12 Watt AC-DC Open Frame Medical Power Supply
IEC 60101-1-2 4th Ed. EMC, Energy Efficiency Level VI

Rev: 032917

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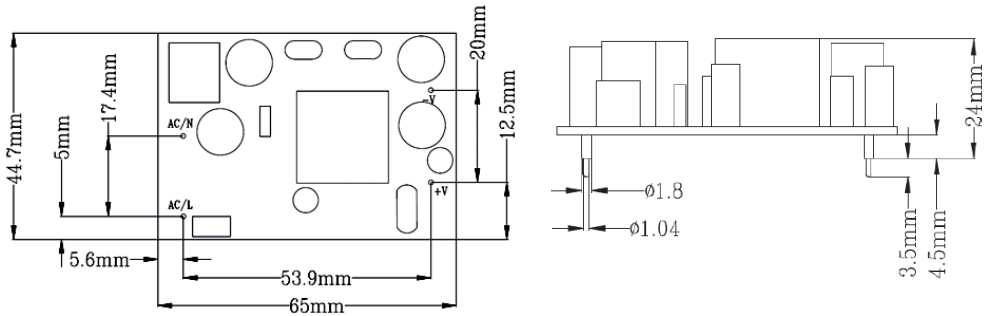


The SMF08Q – SMF12Q Series switch mode power supply offers 8 Watts to 12 Watts output power, with an output voltage range of 3.3 Vdc – 24 Vdc. Case style is an open frame with PCB pins, with ES/EN/IEC 60601-1 3.1 Edition Medical, IEC 60601-1-2 4th Edition EMC, UL/EN 60950-1 2nd Edition safety approvals, and Energy Efficiency Level 6.



Features:

- Universal Input 100 - 240 Vac
- Over-Voltage, Over-Current, and Short Circuit Protection
- 2 x MOPP Protection
- < 100 μ A Touch Current
- 100% Burn-In
- RoHS 2 Compliant
- Energy Efficiency Level: VI
- Meets IEC 60950-1 2nd Edition EMC Requirements
- Meets IEC 60601-1-2: 2014 4th Edition EMC Requirements



SMF Q1 PR

Output Voltage: See Table

Output Power: See Table

Electrical Information

Input Voltage	90 to 264 Vac
Input Frequency	47 to 63 Hz
Input Current	0.17 – 0.29 A
Over-Voltage Protection	Unit is protected from over-voltage conditions
Over-Current Protection	Unit is protected from over-current conditions
Hold-Up Time	10 ms
Operating Temperature	0 - 50°C
Storage Temperature	-20 - 80°C
Weight	36 g (Ref.)
Industry Compliance	RoHS 2, Energy Efficiency Level VI
EMC Requirements	IEC 60601-1-2: 2014 4 th Edition
EMI Requirements	Meets Conduction and Radiation Limits of: Class B: FCC Part 18, CISPR-11, EN 55011
Safety Compliance	UL/c-UL (UL 60950-1: 2 nd Edition), CB (I.T.E.), FCC, UR/c-UR (ES 60601-1: 3.1 Edition), CE, TUV T- Mark (EN/IEC 60601-1: 3.1 Edition)

Output Voltage	Output Current	Output Power (Max.)
3.3 Vdc	2.5 A	8.25 W
5.0 Vdc	2.0 A	10.00 W
12.0 Vdc	1.0 A	12.00 W
15.0 Vdc	0.8 A	12.00 W
24.0 Vdc	0.5 A	12.00 W