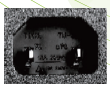
I.T.E.

Medical

GaN FET Technology
300 Watt GaN300m-1012 Series

Small Size Desktop Type



Features :

- IEC/EN/ANSI/AAMI ES60601-1 (Edition 3.1)
- IEC/EN/ANSI/AAMI HA60601-1-11 (Class II Only)
- EMC : IEC60601-1-2 : 2014 (Edition 4.0)
- IEC/EN/UL 62368-1
- 100-240 VAC Universal Input
- Gallium Nitride Based Design
- High Power Density : 9W / in^3
- With 250kHz Switching Frequency
- Means of Protection: 2 X MOPP
- Touch Current : < 100μA
- Efficiency up to 95%
- Regulated Output with Low Ripple Noise
- Modified and Custom Design Available
- 2 Years Warranty

Model	O/P Voltage	O/P Current	Watt
GaN300m-1012	12.0V	24.00A	288W
GaN300m-1015	15.0V	20.00A	300W
GaN300m-1019	19.0V	15.79A	300W
GaN300m-1024	24.0V	12.50A	300W
GaN300m-1048	48.0V	6.25A	300W
GaN300m-1056(*)	56.0V	5.36A	300W

(*) I.T.E. Only

Input	
Voltage	100-240VAC
Line Frequency	50-60Hz
Current	3.5-1.5A Max.
Protection	Internal Primary Current Fuse
Configuration	IEC60320/C14, C18

Output	
Load Regulation	±5% (Typical)
Ripple & Noise	1% Vp-p Max. for Output Voltage @ Full Load
Transient Response	0.5mS for 50% Load Change Typical
Hold-up Time	10mS @ Full Load
Protection	Short Circuit Protection / Over Voltage Protection / Over Current Protection / Over Temperature Protection

Electrical	
Topology	LLC
Dielectric Withstand	4000VAC Primary - Secondary
Touch Current	< 100μA
Efficiency	DoE Level VI
EMC Standards	EN55032 / EN55011
	EN61000-3-2,3
	EN55035 / EN61000-4-2,3,4,5,6,8,11
MTBF	300,000 Calculated Hours at 25ºC , by Telcordia SR-332

Environmental	
Operating Temperature	-20 to + 40ºC
Storage Temperature	-20 to + 80ºC
Relative Humidity	Operating : 20 to 80% RH
	Storage : 10 to 90% RH
Cooling	Natural Convection Cooling

Mechanical	
Case Dimension	L 183 × W 85 × H 35 (mm)
Weight	1000g (Ref.)

c UL us LISTED POWER SUPPLY 60JJ E225703 c UL us CB CE GS TÜV SÜD (Class I) TÜVRheinland CERTIFIED (Class II) FC PS E JET R33154 RoHS RoHS