



Mini Redundant

MRT-5450G0V

Dimension :

185(D)*150(W)*86(H)/mm

FEATURES

- *80 PLUS GOLD
- *1+1 Redundant Application
- *Support PMBus 1.2
- *Fan Reverse Option
- *Smart Fan Speed Control
- *Protections : OVP/OCP/SCP/OPP
- *Operation Altitude : 5000meters

INPUT CHARACTERISTICS

Parameter	Notes & Conditions	Min.	Typ.	Max.	Units
Operating Voltage Range		90		264	Vac
Input Frequency Range		47		63	Hz
Maximum Input Current	*Io=100% ; Vin=90Vac *Io=100% ; Vin=180Vac			7 3	A
Leakage Current	*per module			3.5	mA
Inrush Current	*Vin=115Vac,Cold start/25°C *Vin=230Vac,Cold start/25°C *per module			25 50	A

OUTPUT CHARACTERISTICS

WATTAGE	OUTPUT					
	5V	3.3V	12V	-12V		5VSB
450W	25A	20A	37A	0.5A		3A
Load Regulation	+/-5%	+/-5%	+/-5%	+/-5%		+/-5%
Ripple & Noise(mv)	50	50	120	120		50

*+5V and +3.3V total output max : 150W

ENVIRONMENTAL SPEC.

Parameter	Notes & Conditions	Min.	Typ.	Max.	Units
Temperature		0		50	°C
Relative Humidity	Non-condensing	20		80	%
Emissions	EN55032 FCC Part15	CLASS B			
Surge	EN61000-4-5	DM : +/-1KV CM : +/-2KV			
Harmonic Currents	EN 61000-3-2	CLASS D			

GENERAL SPEC.

Parameter	Notes & Conditions	Min.	Typ.	Max.	Units
MTBF	Io=100% ; Ta=25°C per MIL-HDBK-217F	158347			Hours
Efficiency	Io=100% ; Vin=230Vac			87.8	%
Power Density	*per module	9.11			W/in ³

