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SWITCH MODE POWER SUPPLY (SMPS)

TECHNICAL SPECIFICATION

MODEL

EES5V20A

INPUT

I/P	230V AC, 1-Ph
Frequency	47-63Hz
Range	180-270V AC
Fuse Protection	Yes
I/P MOV	Yes
Soft Start	Yes
AC Current	
Inrush current	46A @230V AC
Leakage current	< 5mA@230V AC

OUTPUT

Nominal Voltage	5V DC
Voltage Range	5-5.3V
Rated Current	20A
Line Regulation	+/- 1%
Load Regulation	+/- 1%
Ripple Max (P-P)	+/- 1%
Noise Max (P-P)	+/- 1%
Protections	a) Overload Protection auto recovery type 102-105% b) Short circuit protection auto recovery type -Yes c) Over Voltage Protection Latching type 105-110% Yes
Current Limit	2.8Sec
Start up time	28ms @230V AC
Hold up time	

ENVIRONMENT

Operating temperature upto 50°C.	
Humidity	< 95% Rh
IP 21 Protection	

GENERAL

Isolation	Input to Output – 1.5KV Input to Earth – 1.5KV Output to Earth- 500V
MTBF	50K Hrs to MIL
Efficiency	70%

INDICATIONS LED

- a) Input OK
- b) Output OK
- c) Output OVP

MECHANICAL

Dimension	195W X 130D X 95H mm
Cooling type	Fan cooled – exhaust
Weight	1.4 Kgs

OPTIONAL

Redundancy by external diode.
Potential Free Contact – Alarm contact
Programmable by external signal – voltage & current
Remote ON/OFF
With Digital Voltmeter & Current meter