Creative LED Designs

1241 Stirling Road, Suites 110-111 Dania Beach, FL 33004
Phone: (954) 613 4544 Email: info@creativeleddesigns.com

SPECIFICATIONS - 100W DESKTOP POWER SUPPLY

	Model	T100DESK	
Output	DC Voltage Range (Typ.)	12V	
	Current Range	0 ~ 8.33A	
	Rated Power	100W	
	Ripple & Noise (max.) (1)	1.5%Vo	
	Voltage Adjustment Range	± 5%	
	Turn-on Delay Time	2S	
	Line Regulation (2)	0.50%	
	Load Regulation (3)	5%	
	Setup, Rise Time	25 mS	
	Fall Time	30 mS (Measured @ Full Load)	
	Output Overshoot/Undershoot	10% (When power on or off)	
	Load Dynamic Response (4)	Output Deviation	5% V
		Settling Time	10 mS
	Hold Time	16mS (Mesaured at full load over entire input range)	
Input	Voltage Range	90V ~ 264VAC	
	Frequency Range	47Hz / 63Hz	
	Efficiency (Typ. @ 115V AC)	92%	
	AC Current (max.)	1.20A @ 100VAC Input / 0.55A @230 VAC Input	
Protections	Over Load	135% I	
		Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	Short Circuit Protection	Protection type : Hiccup mode, recovers automatically after fault condition is removed	
	Over Temperature Protection (5)	125°C	
	Over Voltage Protection	15V	
		Latch mode. The power supply shall return to normal operation only after the power is turned on again.	
Environmen	Temperature Range	Operational	0°C ~ 40°C
		Storage	- 20 ~ +80°C
	Working Humidity	Operational	10 ~ 90% RH non-condensing
		Storage	5 ~ 95% R.H
Safety &	Safety Standards	UL60950-1 (CUL) , EN60950-1 (TUV & CE)	
	Withstand Voltage	I/P - O/P: 3KVAC (4242 DC), 10mA for 1 minute	
	EMI Conduction & Radiation (6)	EN55022, +A1:2000 +A2:2003 , Class B / CISPR 22:2003, Class B / AS/NZS CISPR22:2004, Class B	
	EMS Immunity	EN 61000 (3-2, 3-3, 4-2, 4-3, 4-4, 4-5, 4-6, 4-8, 4-11)	
Others	MTBF (7)	150,000 HRS Compliance: MIL-HDBK-217F	
	Dimensions	156 x 61 x 32 (mm) ~ 6.14 x 2.40 x 1.26(inches) (L x W x H)	
	No Load Power consumption	0.5W Max. @ 115VAC/230VAC input.	
	Weight (max)	500g ~ 1.10 lbs.	