



E-Star Power Development Co., Ltd. (E-STAR)
 No.305, Sec. 2, Jhongshan Rd., Banciao City, Taipei
 County 22067, Taiwan
 Phone : 886-2-2957 5580 Fax : 886-2-2957 7473

150W Open Frame type single output power supply < LTE150FS

DIMENSION(LxWxH): 5" x 3" x 1"



INPUT / OUTPUT SPECIFICATION

Input Voltage 90-264 Vac, with Power Factor Correction
 Input Frequency 47~63Hz
 Input Current 2.5 Arms. Max. @115 Vac 150W Load ; 1.5 Arms. Max @230 Vac 150W Load
 Inrush Current 80 A Typical, Cold Start@ 240Vac , 90 Degree
 Power Factor 0.95-0.99 Typical @ 115/230Vac Full Load. Meet IEC 61000-3-2
 Output Wattage 150Watts Max
 O.C.P 120%~200% Output Current with Current Fold-back Protection or
 (Constant Current : Option) 110%~130% Output Current with Constant Current Control (Option)
 O.V.P 130%~160% Output Voltage with Latch-up Protection or
 115%~130% with Sense 2nd Output Voltage and Latched-up Protection (Option)
 O.T.P (Option) Output Shutdown and Latch-up @130~140°C on Transformer Winding Temperature.
 Line/ Load/ Total Regulation +/- 0.5/2.0/3.0% Max.
 Ripple & Noise 1 % Typical At Full Load (Note2)
 Up to 87% Efficiency Meet EPA 2.0 CEC Level V Standard.
 No Load Input Power <0.5W @ 240VAC
 Overshoot/Undershoot 1% MAX, @ Turn-On / Turn-Off

Model	Voltage (VDC)	Load Range				Voltage Regulation (%)	Ripple & Noise mVp-p	Efficiency (%) Typically
		Min.	Rated	C.C	Peak			
LTE150F-S2	12V	0A	10.0A	12.0A	15.0A	11.64~12.36Vdc(±3%)	120mVp-p(1%)	85
LTE150F-S4	24V	0A	6.25A	7.5A	9.4A	23.28~24.72Vdc(±3%)	240mVp-p(1%)	87
LTE150F-S5	48V	0A	3.2A	3.84A	3.9A	46.56~49.44Vdc(±3%)	480mVp-p(1%)	87
LTE150F-S7	56V	0A	2.7A	3.24A	3.3A	54.32~57.68Vdc(±3%)	560mVp-p(1%)	87

LTE150F-**_C: with Constant Current Control LTE150F-**_V: with Secondary Side Voltage Sensing OVP
 LTE150F-**_T: with NTC Sensing Transformer Winding Temp.
 Peak: w/o Constant Current Version Peak Load

ENVIRONMENTAL:

Operation temp : 0°C to 50°C ambient. Derating each output at 2.5% per °C from 50°C TO 70°C
 Storage temp. : -40°C TO 85°C
 Humidity : Operating, non-condensing, 5% TO 95%
 Vibration : Random operating 2.4 Grms/max. 3 axes 50~500Hz 10 minutes/axes
 Shock : Operating half sine 20 Gpk/max. 3 axes 10 mS 6 shocks total

GENERAL SPECIFICATION:

Efficiency : > 87% Typical at full load
 Turn-on time: 3 Sec max. @ 115 Vac
 Hold-up time: 16mS Typical @ full load 115/230 Vac
 MTBF demonstration : > 100,000 Hours @ full load and 25 degree ambient condition base on MIL-HDBK-217F

SAFETY & EMC SPECIFICATIONS:

EMI Conduction/Radiation : FCC & CISPR CLASS B
 Design to meet UL No.60950-1 CE Mark (LVD)



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