

## LTE150F Series

### Single Output Switching Mode Power Supply

#### 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)
UPTO 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 (%)
		Min.	Rated	C.C	Peak			
LTE150F-S2	12V	0A	10.0A	12.0A	15.0A	11.64~12.36 Vdc(±3%)	120 mVp-p(1%)	85
LTE150F-S3	15V	0A	10.0A	12.0A	15.0A	14.55~15.45 Vdc(±3%)	150 mVp-p(1%)	85
LTE150F-SW	19V	0A	7.9A	9.48A	11.9A	19.4~20.6 Vdc(±3%)	190 mVp-p(1%)	87
LTE150F-S4	24V	0A	6.25A	7.5A	9.4A	23.28~24.72 Vdc(±3%)	240 mVp-p(1%)	87
LTE150F-SR	30V	0A	5.0A	6.0A	7.5A	29.1~30.9 Vdc(±3%)	300 mVp-p(1%)	87
LTE150F-S5	48V	0A	3.2A	3.84A	3.9A	46.56~49.44 Vdc(±3%)	480 mVp-p(1%)	87
LTE150F-S47	56V	0A	2.7A	3.24A	3.3A	54.32~57.68 Vdc(±3%)	560 mVp-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 :

OPERATING TEMPERATURE : 0°C TO 50°C AMBIENT, DERATED EACH OUTPUT AT 2.5% PER °C FROM 50°C TO 70°C  
 STORAGE TEMPERATURE : -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 /AXIS  
 SHOCK : OPERATING HALF SINE 20 GPK / MAX. 3 AXES 10ms 6 SHOCKS TOTAL

#### GENERAL SPECIFICATION :

EFFICIENCY : > 87% TYPICAL AT FULL LOAD  
 TURN-ON TIME : 3 SEC MAX @ 115VAC  
 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

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

