

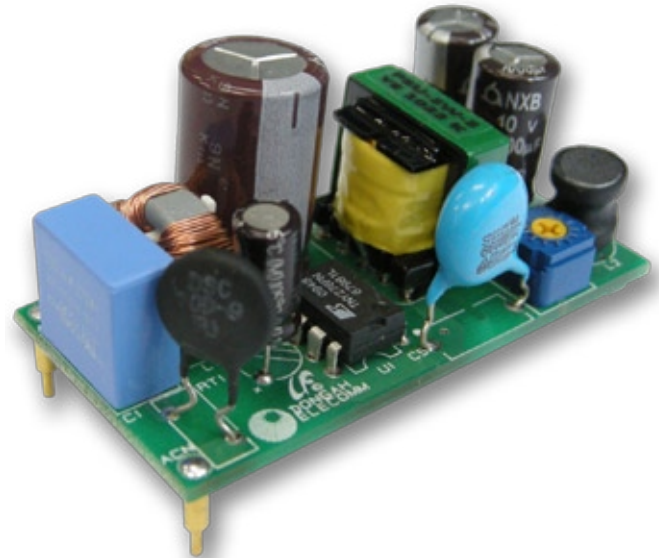


REV: 03312011

ITE / EMBEDDED POWER SUPPLY

PRODUCT FEATURES:

- Low Cost 5W Solution
- Universal AC Input
- Single Outputs: 3.3V to 24V
- Free Air Convection Cooled
- Open Frame, PCB Mount
- Meets FCC & EN Class B EMI standards
- EPA ENERGY STAR compliant
- International Safety Approvals pending
- Safety Certifications Pending, for Full Product Family



INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (85 - 265 VAC)
FREQUENCY	47-63Hz
INRUSH	<10A @ 265 VAC (Max Cold Start)
CURRENT	0.1A (115VAC)/0.05A (230VAC) Max Continuous
LEAKAGE	≤250uA Max @ 265 VAC
HOLD-UP	>5mS @ 115 VAC
EFFICIENCY	77%, typical (5Vout, Full Load)
PROTECTION	Single 1A Fuse / 250V Rated

OUTPUT SPECIFICATIONS:

MINIMUM LOAD	None
LINE REGULATION	±0.5%
LOAD REGULATION	±0.5%
RIPPLE/NOISE	1% typical; 2% max
SETPOINT ACCURACY	±3%
EXCURSION	±3% Max for 25% Step Load
RECOVERY	100ms max
OVER-CURRENT	120-150% (Auto-Recovery)
SHORT CIRCUIT PROTECTION	Auto-Recovery
OVER VOLTAGE PROTECTION	Auto-Recovery

SAFETY STANDARDS:

UL / CUL	60950-1
CB	EN60950-1 / IEC60950-1

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-20°C ~ +70°C (derates 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40°C ~ +85°C
COOLING	Free-Air Convection
HUMIDITY	5-95% (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>100,000 Hours (Per Mil STD 217F)
SIZE (INCHES)	2.13" x 1.06" x 1.10"

EMISSIONS:

EMISSIONS	EN55022 Level B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26MHz-2000MHz, 10V/m, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 150KHz-80MHz, 10Vrms, 80%AM
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3



OUTPUT MODELS:

Output Models:	Output #1			Safety Certification
	VDC	Io (Min)	Io (Max)	
PSU-5-3	3.3V	0	1.5A	Pending
PSU-5-5	5V	0	1.0A	Pending
PSU-5-12	12V	0	0.42A	Pending
PSU-5-15	15V	0	0.33A	Pending
PSU-5-24	24V	0	0.21A	Pending

OUTLINE DRAWING:

