



REV: 04112011

ITE / EMBEDDED POWER SUPPLY

PRODUCT FEATURES:

- **Universal AC Input**
- **Single, Dual, and Triple Outputs Available**
- **Compact Size: 3" x 5" Footprint**
- **Low Profile: 1.09" for 1U Applications**
- **Convection Cooled (No Fans)**
- **Meets FCC & EN Class B EMI**
- **International Safety Approval**
- **Safety Certifications Pending, for Full Product Family**



INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (90 ~ 264 VAC)
FREQUENCY	47-63Hz
INRUSH	15A @ 115VAC; 30A @ 230VAC (Max Cold Start)
CURRENT	0.82A @ 230VAC
PROTECTION	Single 3.15A Fuse / 250V Rated
LEAKAGE	≤2mA @ 230VAC
HOLD-UP	>16ms @ 115VAC (Full Load)
EFFICIENCY	81%, typical

OUTPUT SPECIFICATIONS:

ADJUSTMENT RANGE	Fixed at Factory (See Table)
MINIMUM LOAD	See Table
LINE REGULATION	±0.5% (max, over entire input range)
LOAD REGULATION	±0.5% maximum
RIPPLE	≤2.0% (p-p, max)
SETPOINT ACCURACY	±1%
EXCURSION	±5% max, 25% Step Load
RECOVERY	100ms max
OVER-CURRENT	115-125% (Auto-Recovery)

SAFETY STANDARDS:

UL / CUL	60950-1
CE MARK	Low Voltage Directive

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-10°C to +70°C (Derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40°C to +85°C
COOLING	Convection Cooled
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)	3"x 5" x 1.09"

EMISSIONS:

EMISSIONS	EN55022 Level B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4kV Contact / 8kV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4, 2kV
SURGES	EN61000-4-5, 2kV Earth, 1kV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
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			Output #2			Output #3			Safety Certification
	VDC	Io (Min)	Io (Max)	VDC	Io (Min)	Io (Max)	VDC	Io (Min)	Io (Max)	
PSU-80-3	3.3V	0A	24A							Pending
PSU-80-5	5V	0A	16A							Pending
PSU-80-12	12V	0A	6.67A							Pending
PSU-80-15	15V	0A	5.33A							Pending
PSU-80-24	24V	0A	3.33A							Pending
PSU-80-512	5V	0A	6A	12V	0A	4A				Pending
PSU-80-515	5V	0A	6A	15V	0A	3.33A				Pending
PSU-80-524	5V	0A	6A	24V	0A	2A				Pending
PSU-80-5125	5V	0A	9.5A	12V	0A	2.5A	-5V	0A	0.5A	Pending
PSU-80-51212	5V	0A	8.5A	12V	0A	2.5A	-12V	0A	0.5A	Pending
PSU-80-5155	5V	0A	8.5A	15V	0A	2A	-5V	0A	0.5A	Pending
PSU-80-51515	5V	0A	8A	15V	0A	1.25A	-15V	0A	1A	Pending

OUTLINE DRAWING:

Input Connector:
Molex 5273-5A
Mate: Molex 09524054 with Crimp Terminal 2478, 5167

Pin	Function
1	FG.
2	NC
3	Neutral
4	NC
5	Line

Output Connector:
Molex 5273-12A
Mate Molex 09524124 with Crimp Terminal 2478 / 5167

Pin	Single	Dual	Triple
1	V1	V1	V1
2	V1	V1	V1
3	V1	V1	V1
4	V1	Gnd	Gnd
5	V1	Gnd	Gnd
6	V1	Gnd	Gnd
7	Gnd	V2	V2
8	Gnd	V2	V2
9	Gnd	V2	Gnd
10	Gnd	Gnd	Gnd
11	Gnd	Gnd	V3
12	Gnd	Gnd	Gnd

