



REV: 11082010

ITE / EMBEDDED POWER SUPPLY

PRODUCT FEATURES:

- Universal AC Input
- Single, Dual, and Triple Outputs Available
- Meets FCC & EN Class B EMI
- World Wide Safety Approval
- Compact Size 3" x 5"
- Low Profile 1.25"
- Convection Cooled



INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (90 to 265VAC)
FREQUENCY	47-63Hz
INRUSH	20A @ 115VAC / 40 @ 230VAC Input Range (Max)
CURRENT	.666A @ 115VAC / .333A @ 230VAC (Max Continuous)
PROTECTION	Single 3.1 A Fuse / 250VAC
LEAKAGE	.75mA Max @ 264VAC
HOLD-UP	60ms Min. (230VAC & Full Load & Main Output)
EFFICIENCY	80% Typical

OUTPUT SPECIFICATIONS:

ADJUSTMENT RANGE	±10% Main Output Only
MINIMUM LOAD	See Output Table
LINE REGULATION	±.5% max, over entire input range
LOAD REGULATION	±.5% max
RIPPLE	100mV p-p max, (20MHz BW)
EXCURSION	±5% max; 25% Step Load
RECOVERY	100ms max
OVER-CURRENT	115-135% (Auto-Recovery)
SHORT CIRCUIT PROTECTION	Auto-Recovery
OVER VOLTAGE PROTECTION	105-115% (Recycle input to reset)

SAFETY STANDARDS:

UL / CUL	60950-1
CE MARK	Low Voltage Directive

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-10°C ~ +60°C (Derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-40°C ~ +85°C
COOLING	Convection
HUMIDITY	5% - 95% RH (non-condensing)
VIBRATION	10-55Hz, 2G, 3Min Period, / 60 min each (3 axes)
SHOCK	20G Peak Acceleration
RELIABILITY	>200K Hours (Per Mil STD 217F)
SIZE (INCHES)	3"x 5" x 1.25"

EMISSIONS:

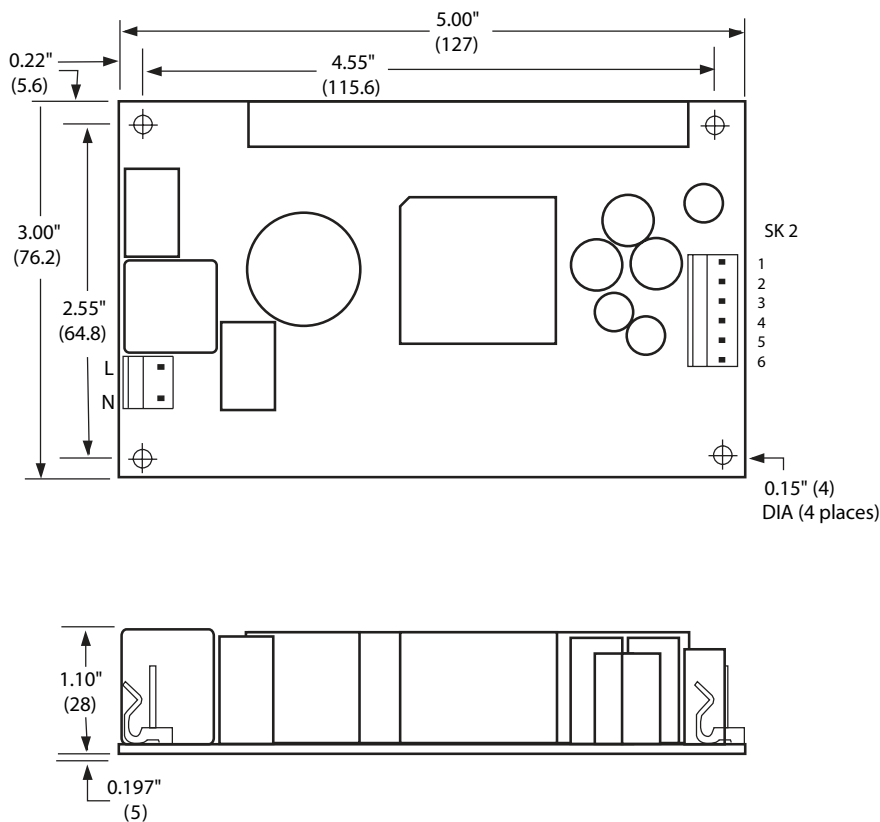
EMISSIONS	EN55022 Level B (Conducted)
ELECTROSTATIC DISCHARGE	EN61000-4-2, 4KV Contact / 8KV Air
RADIATED SUSCEPTIBILITY	EN61000-4-3, 26-1000MHz, 10V/M, 80%AM
EFT / BURSTS	EN61000-4-4, 2KV
SURGES	EN61000-4-5, 2KV Earth, 1KV Line-Line
CONDUCTED IMMUNITY	EN61000-4-6, 0.15-800MHz, 10V 80%
VOLTAGE DIPS	EN61000-4-10, 95% Dip & 10ms, 30% Dip & 500ms
VOLTAGE INTERRUPTIONS	EN61000-4-11, 95% reduction, 5ms
FLUCTUATIONS & FLICKER	EN61000-3-3



OUTPUT MODELS:

Output Models:	V1 Output			V2 Output			V3 Output		
	VDC	A (Min)	A (Max)	VDC	A (Min)	A (Max)	VDC	A (Min)	A (Max)
DY-65-3	3.3V	0.0A	19.00A						
DY-65-5	5V	0.0A	13.00A						
DY-65-12	12V	0.0A	5.42A						
DY-65-15	15V	0.0A	4.33A						
DY-65S-24	24V	0.0A	2.71A						
DY-65-512	5V	0.4A	6.00A	12V	0.2A	3.00A			
DY-65-515	5V	0.4A	6.00A	15V	0.2A	2.00A			
DY-65T-B	5V	0.4A	6.00A	12V	0.2A	2.50A	-12V	0.2A	0.50A
DY-65-51515	5V	0.4A	6.00A	15V	0.2A	2.00A	-15V	0.2A	0.50A
DY-65-5125	5V	0.4A	6.00A	12V	0.2A	2.00A	-5V	0.2A	0.50A

OUTLINE DRAWING:



Mating Connectors:

AC INPUT:

Molex 09-50-8031 (Housing)
Molex 08-82-0113 (Pins)

DC OUTPUT:

Molex 09-50-8061 (Housing)
Molex 08-52-0113 (Pins)

Pin Assignments:

DC OUTPUT

Pin	Single	Dual
1	+V1	+V2
2	+V1	+V1
3	+V1	+V1
4	COM	COM
5	COM	COM
6	COM	N/C