

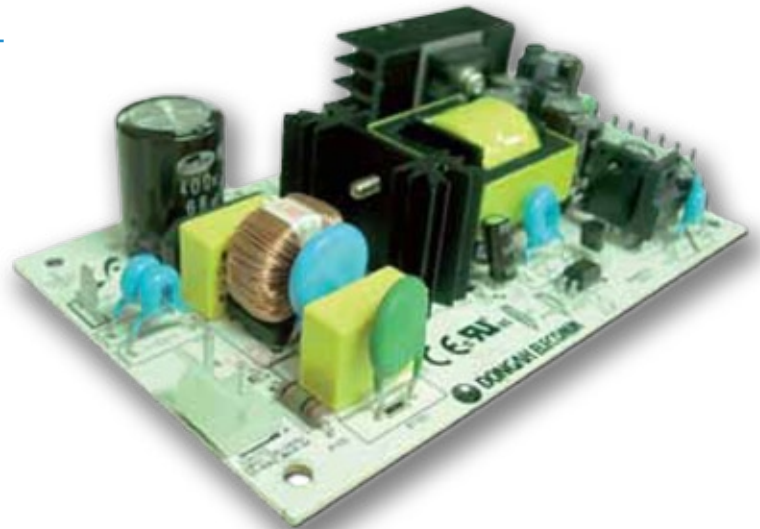


REV: 08032011

ITE / EMBEDDED POWER SUPPLY

## PRODUCT FEATURES:

- **Universal AC Input**
- **Triple Output with Fuse/No-Fuse option**
- **Convection Cooled Operation**
- **Compact, Open-Frame, Low Profile: 3" x 5" x 1.1"**
- **Audio/Video Approvals (Triple Output models)**
- **MTBF > 100k Hours (25°C, Full Load)**
- **Meets Class B Emissions Standards**
- **International Safety Approvals**



## INPUT SPECIFICATIONS:

VOLTAGE	Universal AC Input (90 ~ 264 VAC)
FREQUENCY	47-63Hz
INRUSH	15A (115VAC) / 30A (230VAC), max Cold Start
CURRENT	1.0A (115VAC) / 500mA (230VAC) continuous
PROTECTION	Single 4A Fuse, 250VAC except NF-see Note 1
LEAKAGE	750uA @ 264VAC
HOLD-UP	16ms @ 230VAC (Full Load)
EFFICIENCY	73% (typical, 230VAC)
HARMONICS	EN61000-3-2 Class D Compliant (>98 PF)

## OUTPUT SPECIFICATIONS:

ADJUSTMENT RANGE	Fixed at Factory (see Output Table)
MINIMUM LOAD	5% (each output)
LINE REGULATION	V1 ≤ 3%; V2 & V3 10%
LOAD REGULATION	V1 ≤ 3%; V2 & V3 10%
RIPPLE	≤ 2% Vout p-p (20MHz)
SETPOINT ACCURACY	±1%
EXCURSION	±5% Max for 25% Step Load
RECOVERY	2ms max
OVER-CURRENT	125-150% (Auto-Recovery)
OV PROTECTION	105~115% (recycle input to reset)

## SAFETY STANDARDS:

cULus	60065 (7th Ed.)
CAN/CSA	E60065-00 Amendment 1 (Triples)
CE MARK	Low Voltage Directive
CE REPORT	IEC 60065/a1:2005 (Triples)

## GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE	-10°C to +70°C (Derate 2.5% per °C above 50°C)
STORAGE TEMPERATURE	-20°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)	3.0" x 5.0" x 1.1"

## 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

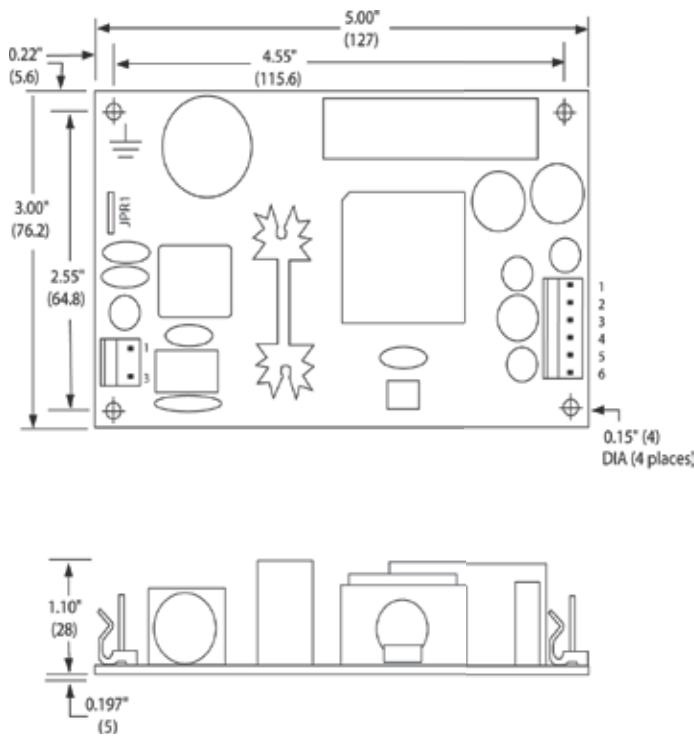


## OUTPUT MODELS:

Output Models:	Output #1			Output #2			Output #3		
	VDC	Io (Min)	Io (Max)	VDC	Io (Min)	Io (Max)	VDC	Io (Min)	Io (Max)
PSU43W-12	5V	0.0A	6.0A	+12V	0.05A	0.6A	-12A	0.05A	0.6A
PSU43W-15	5V	0.0A	6.0A	+15V	0.05A	0.5A	-15A	0.05A	0.5A
PSU43W-12-NF*	5V	0.0A	6.0A	+12V	0.05A	0.6A	-12A	0.05A	0.6A
PSU43W-15-NF*	5V	0.0A	6.0A	+15V	0.05A	0.5A	-15A	0.05A	0.5A

\*Note 1: The "-NF" suffix (no fuse) version requires an external input fuse (4.0A / 250VAC) to provide AC Mains protection and meet Safety Requirements.

## OUTLINE DRAWING:



### Mating Connectors:

**AC INPUT:**  
Molex 09-50-8031 (Housing)  
Molex 08-52-0113 (Pins)

**DC OUTPUT:**  
Molex 09-50-8061 (Housing)  
Molex 08-52-0113 (Pins)

### Pin Assignments:

Pin	Standard	NF Models
1	Line	Neutral
3	Neutral	Line

Pin	Single	Dual	Triple
1	+V1	+V2	+V2
2	+V1	+V1	+V1
3	+V1	+V1	+V1
4	COM	COM	COM
5	COM	COM	COM
6	COM	N/C	V3