



- PFC
- Wide Range AC Input
- Low Profile, Industry Standard Footprint
- Global Safety Agency Compliance

Key Market Segments & Applications

Video/Audio Routers
 Datacom
 Point of Sale
 Test & Measurement
 LED Signs and Lighting

ZP100 Series

3" x 5" 100W AC-DC Power Supplies

ZPS100 Features and Benefits

Features

- Industry Standard Footprint
- Up to 85% efficiency
- Broad product range
- Meets EN61000-4 immunity

Benefits

- Available to second source
- Less system heating
- Optimisation of power supply to system
- Greater reliability

Specifications

ITEMS		MODEL	ZPS100
Input Voltage range	-	-	90 - 264VAC (47 - 440Hz) or 120 - 370VDC
Inrush Current (132/264VAC)	A	-	25 / 50 (cold start)
Input Current (115/230VAC)	A	-	1.1 / 0.6
Temperature Coefficient	-	-	±0.05%/°C
Voltage Accuracy	-	-	±1%
Minimum Load	A	-	None
Load Regulation	-	-	±1%
Line Regulation	-	-	±0.5%
Ripple & Noise (1)	mV	-	1% or 50mV whichever is greater
Short Circuit Protection	-	-	Continuous - hiccup mode
Overvoltage Protection	V	-	Typically 110-130% of nominal
Hold Up Time (Typ)	ms	-	8ms at 115VAC input
LED Indicator	-	-	Green LED = OK
Operating Temperature	-	-	0 to +70°C with derating
Storage Temperature	-	-	-20 to +85°C
Humidity (non condensing)	-	-	10 - 95% RH
Cooling	-	-	Convection
Withstand Voltage	-	-	Input to Ground 1.5kVAC, Input to Output 3kVAC, Output to Ground 500VAC for 1 min.
Isolation Resistance	-	-	>100M at 25C & 70%RH, Output to Ground 500VDC
Vibration (non operating)	-	-	23.52m/s ² (10 - 55Hz: constant sweep 1 min X, Y, Z for 1 hour)
Shock	-	-	< 196.1 m/s ² (20G)
Safety Agency Approvals	-	-	UL60950, CSA60950, EN60950 Class II , CE Mark (LVD)
Conducted & Radiated EMI	-	-	EN55022-B, FCC Class B
Immunity	-	-	EN61000-4-2,-3,-4,-6,-8
Weight (Typ)	g	-	385g
Size (WxLxH)	mm	-	127 X 76.2 X 32.4 (including underside components)
Warranty	-	-	One Year

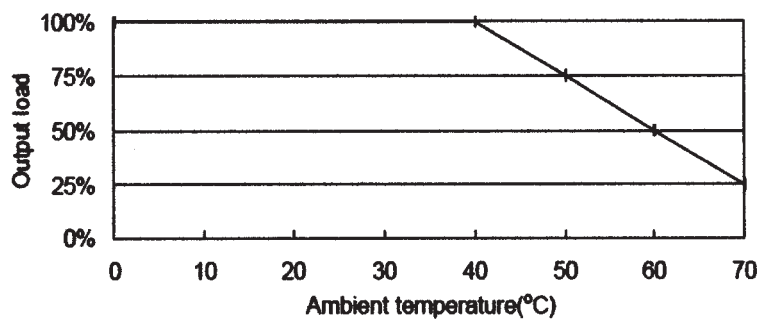
Notes:

(1) Measured with 0.1uF ceramic & 10uF electrolytic at 20MHz BW

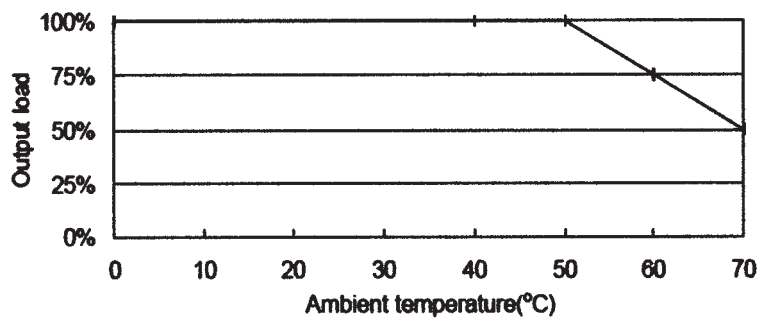
Models

Model		Output Voltage (V)	Maximum Output (A)
ZPS100-3R3	V1	3.3	20
ZPS100-5	V1	5	20
ZPS100-9	V1	9	11.2
ZPS100-12	V1	12	8.4
ZPS100-15	V1	15	6.7
ZPS100-18	V1	18	5.6
ZPS100-24	V1	24	4.2
ZPS100-28	V1	28	3.6
ZPS100-48	V1	48	2.1

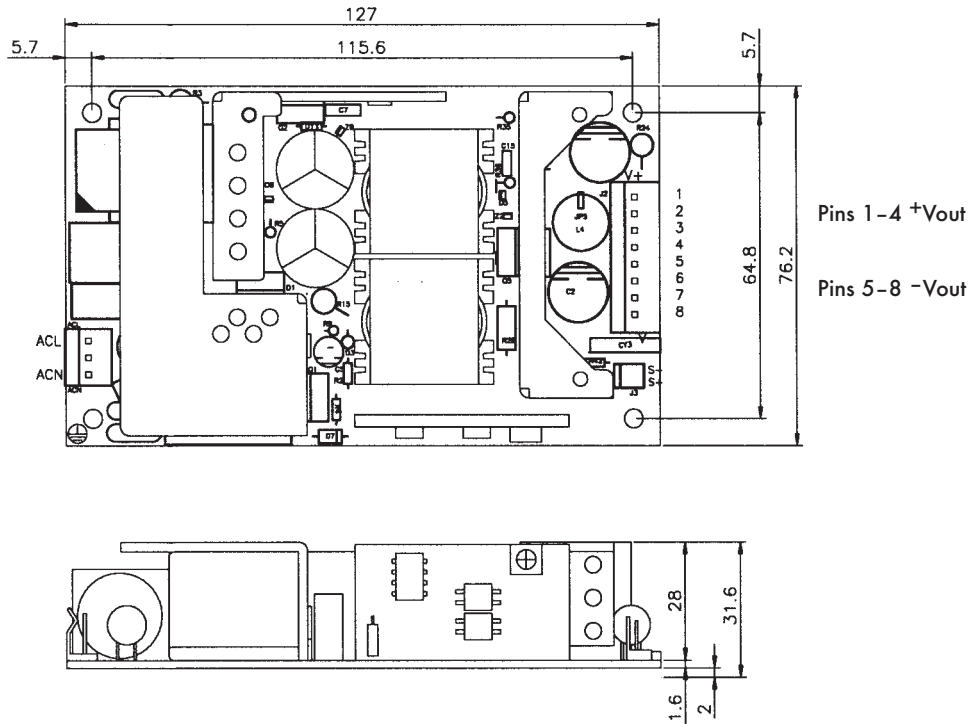
ZPS100-3R3 -5 -9 -48 DERATING CURVE



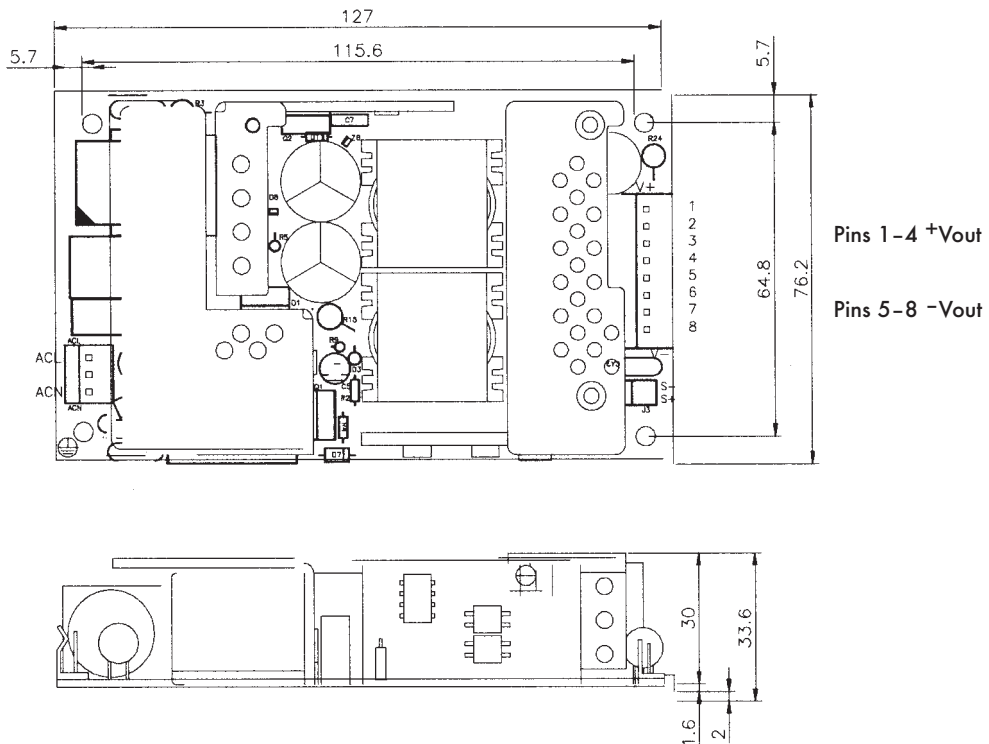
ZPS100-12 -15 -18 -24 -28 DERATING CURVE



ZPS100 Outline Drawing



ZPS100-5 Outline Drawing



Input Connector Mates with Molex Housing 09-50-3031 and Molex 2878 Series Crimp Terminal
Output Connector Mates with Molex Housing 09-50-1081 and Molex 5194 Series Crimp Terminal

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LOCAL DISTRIBUTION

