

## 250W Single Output Low Profile Power Supplies

### Features

- ◆ High Efficiency, up to 90%
- ◆ 1.18" high
- ◆ Wide Range AC Input
- ◆ Convection Cooled
- ◆ Coated pcb as standard
- ◆ Three year warranty



### Key Market Segments & Applications



Specifications		
Model		CUS250LD
AC Input Voltage (300VAC for 5s)	VAC	85 - 265VAC
Input Frequency	Hz	47 - 63Hz
DC Input Voltage	VDC	120 - 370VDC (No safety certification)
Inrush Current (cold start)	A	20A at 115VAC, 40A at 230VAC
Power Factor	-	Meets EN61000-3-2 (Typical PF 0.98/0.95)(1)
Input Current (115/230VAC)	A	2.8 / 1.4
Temperature Coefficient	-	<0.02%/°C (0 - 50°C)
Overcurrent Protection	-	> 105%
Oversvoltage Protection (2)	V	3.3V: 4 - 5.25V, 4V: 5 - 6.5V, 5V: 5.75 - 7.5V, 12V: 13.8 - 16.2V, 24V: 27.6 - 32.4V
Hold Up Time	ms	20ms
Leakage Current (240VAC 60Hz)	mA	<0.75mA
Remote Sense	-	No
LED Indicator	-	Green LED = On
Operating Temperature (3)	°C	-25 to +70°C. Derate 50% load from +40 to +70°C (-40°C start up above 88VAC input)
Storage Temperature	°C	-30 to +75°C
Operating Humidity (non condensing)	%	30 - 90% RH
Storage Humidity (non condensing)	%	10 - 90% RH
Cooling	-	Convection
Withstand Voltage	-	Input to Ground 2kVAC, Input to Output 3kVAC, Output to Ground 500VAC for 1 min.
Isolation Resistance	-	>100M at 25°C & 70%RH, Output to Ground 500VDC
Vibration (non operating)	-	10 - 55Hz: 19.6m/s <sup>2</sup> constant sweep 1 min X, Y, Z for 1 hour
Shock	-	< 196.1 m/s <sup>2</sup> (20G)
Immunity	-	IEC61000-4-2 (lv 2, 3), -3 (lv3), -4 (lv 3), -5 (lv3, 4), -6 (lv 3), -8 (lv 4), -11
Safety Agency Certifications	-	UL60950-1, CSA60950-1-07 (cTUVus), EN60950-1, CE Mark
Conducted & Radiated EMI	-	EN55022-B, FCC--B
Weight (Typ)	g	700
Size (LxWxH)	in	7.8 x 4 x 1.18"
Warranty	yrs	Three Years

#### Notes:

- (1) 115 / 230VAC input
- (2) Cycle AC to reset
- (3) See derating curves on page 2. Derates linearly to 80% load from 115VAC to 85VAC input (excluding CUS250LD-3).

