

Electromagnetic Compatibility - Component Power

Definition of Use

Component Power Supplies are designed to be incorporated in other equipment. They are not intended for use in free standing applications or to be accessible to the final user of the equipment. They are classed as components in the context of the EMC Directive.

All items within this section are deemed to be components with the exception of both the plug top adaptors and the bench power supplies.

The enclosure of the final equipment shall provide:

- (i) protection against Electrostatic Discharge (ESD);
- (ii) protection against personal contact with live parts,
- (iii) some screening of radiated Electromagnetic Interference

Component Power Supplies will not be 'CE' marked under the EMC Directive, but information on EMC performance will be provided.

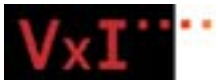
This follows the guidelines of the United Kingdom Power Supply Manufacturers' Association (PSMA).

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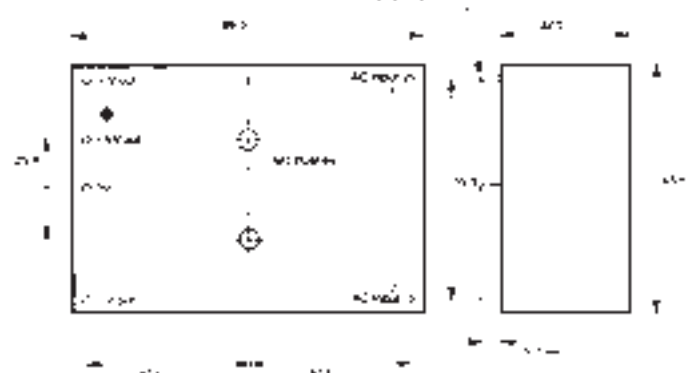
PCB Mount AC to DC Convertors

5W, Encapsulated

Low Noise Linear, 240V or 110V ac Input



A range of PCB mounting encapsulated power supplies available with single or multi output voltage options. The 5V supply has crowbar overvoltage protection. The regulated dc output makes them ideal for powering microprocessors, TTL, CMOS, Op Amps, etc. The supplies are potted in a glass filled nylon case giving optimum protection. It is possible to mechanically mount the supplies by using the two M3 bushes located within the base of each supply. Available in 240V ac and 110V ac mains input versions.



(♦) Pin not present on twin or single output types

Note: -Vout pin has no electrical connection on single output units

Voltage	210V to 250Vac or 100V to 120V ac	Output voltage tolerance	±2%(all outputs)
Input frequency	47Hz to 63Hz	Line regulation	0.5%
Output ripple	4mVrms (5V) 2V rms (other)	Load regulation	100mV
		Operating temperature	0°C to 50°C

205881

240V ac Input	Order Code	Price Each			
		1+	5+	10+	+
Single					
5V, 1.0A	118-6397	4,437.00	4,249.00	3,807.00	--
12V, 0.5A	118-6398	4,437.00	4,249.00	3,807.00	--
15V, 0.4A	118-6399	4,437.00	4,249.00	3,807.00	--
Twin					
±12V, 2x0.25A	118-6400	4,437.00	4,249.00	3,807.00	--
±15V, 2x0.20A	118-6402	4,437.00	4,249.00	3,807.00	--
Triple					
+5V with ±12V 0.3A 2x0.15A	118-6403	5,213.00	4,812.00	4,311.00	--
+5V with ±15V 0.3A, 2x0.12A	118-6404	5,213.00	4,812.00	4,311.00	--
110V ac Input					
Single					
5V, 1.0A	118-6405	4,437.00	4,249.00	3,807.00	--
Twin					
±12V, 2x0.25A	118-6406	4,437.00	4,249.00	3,807.00	--
±15V, 2x0.20A	118-6407	4,437.00	4,249.00	3,807.00	--

10-15 Watt Single Output PCB Mount Industrial and Medical Approvals



- Low Cost
- Small Size
- Universal Input
- Adjustable Output
- Peak Currents
- Class II Earthing
- 15W medical version

CU10: H = 23.00, W = 45.00, L = 65.00 (mm)
CU15: H = 23.00, W = 48.00, L = 69.90 (mm)

These small single output switched mode supplies operate from a universal ac input of 85-264 V AC and are designed for PCB mounting making them ideal for instrumentation and other similar applications. 15W version is also available with either industrial or medical approvals.

Input Voltage	85-264 Vac (120-370 Vdc)
Input Frequency	47-63 Hz
Output Power	10 W, 15 W
Line Regulation	±0.5% max Vmin to Vmax
Load Regulation	±1% max at 10% to full load
Ripple & Noise	1% pk-pk max 3V models 50mV pk-pk max
Efficiency	65-82%
Operating Temperature	0°C to +65°C, derate above 45°C
Safety Approvals	UL recognised, CSA, TUV, CE
EMC	EN55022 B, CISPR 22B conducted

Mfrs. List No.	Output Voltage	Output Current	Peak Current	Order code
CU10-00	3.3V	2.5A	3.80A	100-5639
CU10-10	5.0V	2.0A	2.80A	100-5640
CU10-09	9.0V	1.12A	1.50A	100-5641
CU10-12	12.0V	0.84A	1.20A	100-5642
CU10-13	15.0V	0.67A	1.00A	100-5643
CU10-14	24.0V	0.42A	0.65A	100-5644
CU15-00	3.3V	3.00A	4.50A	100-5645
CU15-10	5.0V	3.00A	4.50A	100-5646
CU15-09	9.0V	1.67A	3.0A	100-5647
CU15-12	12.0V	1.25A	1.80A	100-5648
CU15-13	15.0V	1.00A	1.50A	100-5651
CU15-14	24.0V	0.63A	0.95A	100-5652
CU15-00-M	3.3V	3.00A	4.5A	100-5653
CU15-10-M	5.0V	3.00A	4.5A	100-5654
CU15-09-M	9.0V	1.67A	3.00A	100-5655
CU15-12-M	12.0V	1.25A	1.80A	100-5656
CU15-13-M	15.0V	1.00A	1.50A	100-5657
CU15-14-M	24.0V	0.63A	0.95A	100-5658

416662

Mfrs. List No.	Order Code	Price Each			
		1+	5+	10+	+
CU10-00	100-5639	1,855.00	1,794.00	1,752.00	--
CU10-10	100-5640	1,855.00	1,794.00	1,752.00	--
CU10-09	100-5641	1,855.00	1,794.00	1,752.00	--
CU10-12	100-5642	1,855.00	1,794.00	1,752.00	--
CU10-13	100-5643	1,855.00	1,794.00	1,752.00	--
CU10-14	100-5644	1,855.00	1,794.00	1,752.00	--
CU15-00	100-5645	2,371.00	2,309.00	2,226.00	--
CU15-10	100-5646	2,371.00	2,309.00	2,226.00	--
CU15-09	100-5647	2,371.00	2,309.00	2,226.00	--
CU15-12	100-5648	2,371.00	2,309.00	2,226.00	--
CU15-13	100-5651	2,371.00	2,309.00	2,226.00	--
CU15-14	100-5652	2,371.00	2,309.00	2,226.00	--
CU15-00-M	100-5653	3,092.00	3,000.00	2,906.00	--
CU15-10-M	100-5654	3,092.00	3,000.00	2,906.00	--
CU15-09-M	100-5655	3,092.00	3,000.00	2,906.00	--
CU15-12-M	100-5656	3,092.00	3,000.00	2,906.00	--
CU15-13-M	100-5657	3,092.00	3,000.00	2,906.00	--
CU15-14-M	100-5658	3,092.00	3,000.00	2,906.00	--

12-25 Watt Switch Mode TOM Series

