

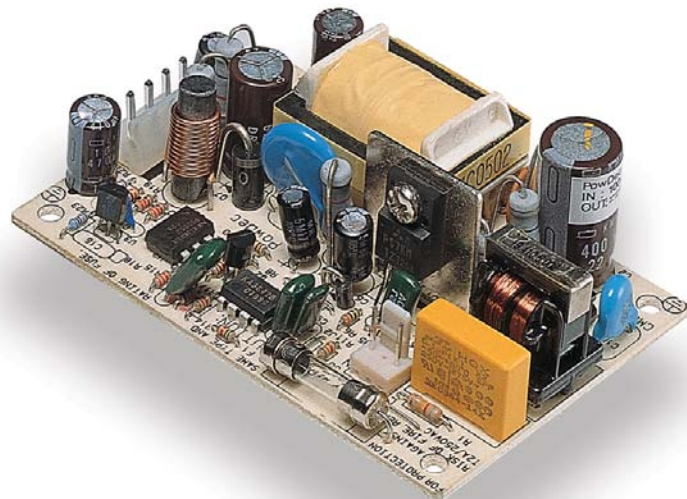
CMC Series

11-15 Watts

Single & Dual Output Switching Power Supply

Features:

- * Small 3.54 x 2.32 x 1.1" Open Frame Package
- * Convection Cooled Operation
- * Universal AC Input (47-63 Hz)
- * 100,000 hours MTBF (25°C Full Load Operation)
- * International Safety Approvals & CE Mark
- * Class B Emissions
- * 3 Year Warranty



Input Specifications:

Input Range	Universal VAC (90-264 VAC) & 120-370 VDC
Input Frequency	47-63 Hz or DC
Inrush Current	25A @ 115VAC / 50A @ 230VAC max (cold start)
Input Current	400ma Maximum
Input Reflected Ripple	FCC 68 part 15 Class B
Efficiency	65% Typical (depending on output model)
Input Protection	Single Fused (2 Amp / 250 V)
Hold-up Time	Half Cycle Minimum @ 120 VAC and 80% load
Leakage Current	<750 μ A maximum @ 264 VAC
Harmonics	EN61000-3-2 Class D

Output Specifications:

Adjustment Range	Fixed at Factory
Minimum Load	See Output Table
Regulation	$\pm 3\%$ maximum (line, load & temperature)
Ripple / Noise	$\pm 1\%$ pk-pk max (20MHz)
Transient Response	+/- 5% Deviation / < 1msec recovery
Set-Point Accuracy	$\pm 2\%$
Short Circuit Protection	Continuous
Over Load Protection	125-150%, automatic recovery
Over Voltage Protection	120-150%, latched shutdown

Emissions Standards

FCC Part 15J, Part 2	Within Class B Limits
	Within Class B Limits

Status / Control Signals

Electromagnetic Compatibility:

Electrostatic Discharge	EN61000-4-2, ± 4 KV Contact / ± 8 KV Air Discharge
Radiated Susceptibility	EN61000-4-3, 26-1000MHz, 10V/M, 80% AM
EFT / Bursts	EN61000-4-4, ± 2 KV
Surges	EN61000-4-5, ± 2 KV Line-Earth, ± 1 KV Line-Line
Conducted Immunity	EN61000-4-6, 0.15 - 800MHz, 10V, 80% AM
Voltage Dips	EN61000-4-11, 95% Dip & 10ms, 30% Dip & 500ms
Voltage Interruptions	EN61000-4-11, 95% Reduction, 5s
Radiated Emissions	FCC 68 part 15 Class B
Conducted Emissions	FCC 68 part 15 Class B
Harmonic Current	EN61000-3-2 Class D
Fluctuations & Flicker	EN61000-3-3

Environmental Specifications:

Operating Temp	0 ~ 50°C (De-Rate 2.5%/1°C Rise To +70°C)
Storage Temp	-20 ~ +85°C
Cooling	Convection Cooled Operation
Temp Co-Efficient	0.05% per degrees celsius
Humidity	5 to 95% RH Non-Condensing
Vibration	3 Axes 1 Oct/min, 5 min at 4 Res. 0.75G Pk, 5-500Hz
Shock	20G Peak Acceleration
Reliability	> 100k hours MTBF (Full Load and 25°C Operation)

International Safety Approvals

Qualified to Meet	UL/cUL 60950 Approved, File # E158470
	EN60950
	CB Report Scheme
	CE Mark (LVD)

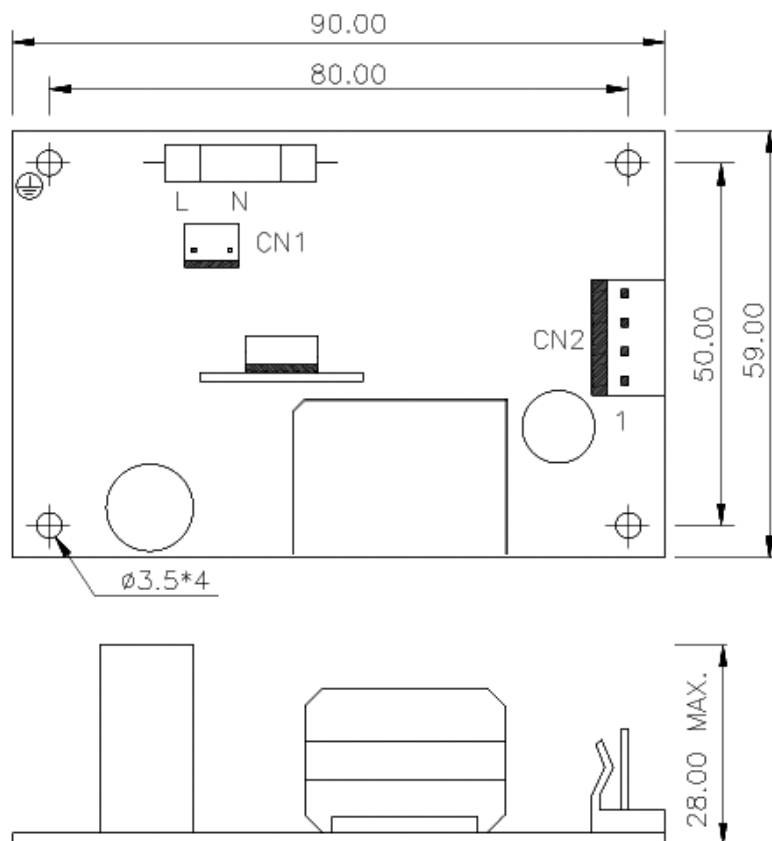
Output Table:

Model Number	Max Power	V1	Io Min	Io Max	V2	Io Min	Io Max
CMC0532	12.5W	+5VDC	200mA	2500mA	-	-	-
CMC0502	11W	+5VDC	200mA	1000mA	+9VDC	100mA	200mA
CMC0522	14.7W	+5VDC	300mA	1500mA	+12VDC	100mA	600mA

Mechanical Specifications:

Construction: Open Frame

Weight: 0.237 lb / 0.108 kg



UNITS: MM

Input Pin Assignmnets:

CN1-1 Neutral
CN1-2 Line

Output Pin Assignmnets:

CN2-1 V2 or NC
CN2-2 RETURN
CN2-3 RETURN
CN2-4 V1

Mating Connectors:

CN1 (AC Input) Mating Connector:
Molex 22-01-2031 (3-1) (2659 series)

CN2 (DC Output) Mating Connector:
Molex 09-52-4044 (5239 series)