

Chassis Mountable Power Supplies

Features

- Unique "Clamp" Type Barrier Strip
- Four Molded-In Threaded Inserts
- Four Through Holes for Easy Mounting
- Covered Under CALEX 5 Year Warranty

Description

The unique CALEX "CM" design creates the most flexible and well-engineered power supply package on the market today. These chassis mountable supplies are ideal for use with dedicated microprocessor systems, instrument design and test equipment. The CM units can also be used as supplemental bench or laboratory power supplies.

The special "clamp" type barrier strip secures the wire without twisting. Note the protected, recessed, barrier strip facing the top of the case. This allows all connections to be made in tight quarters while protecting the barrier strip from physical damage.

Nothing else offers this combination of ruggedness, flexibility and convenience. All CALEX chassis mount power supplies are guaranteed to provide at least 5 years of reliable service.

Models CM1.5.500 and CM1.5.1000 have output voltage protection which operates between 5.8 and 6.85 Volts. Power must be removed to reset the overvoltage clamp.

Common Specifications

Input Voltage

100 \pm 10 VAC (add "-100" to model number)

115 \pm 10 VAC (add "-115" to model number)

220 \pm 20 VAC (add "-220" to model number)

230 \pm 20 VAC (add "-230" to model number)

240 \pm 20 VAC (add "-240" to model number)

Selection Chart

Output Voltage VDC	Output Current mA	Voltage Accuracy	Line & Load Regulation Maximum	Noise & Ripple mV RMS	Case Size	Unit Weight (oz.)	Model Number
Single Output							
5	1000	\pm 1.0%	\pm 0.10%	1	CM	17.5	CM1.5.1000
10	400	\pm 1.0%	\pm 0.10%	1	CM	17.5	CM1.10.400
12	500	\pm 1.0%	\pm 0.10%	1	CM	17.5	CM1.12.500
15	400	\pm 1.0%	\pm 0.10%	1	CM	17.5	CM1.15.400
24	240	\pm 0.5%	\pm 0.04%	1	CM	17.5	CM1.24.240
250	30	\pm 3.0%	\pm 2.0%	5	CM	17.5	CM1.250.30
Dual Output							
\pm 12	\pm 120	\pm 0.5%	\pm 0.04%	1	CM	17.5	CM2.12.120
\pm 12	\pm 240	\pm 0.5%	\pm 0.04%	1	CM	17.5	CM2.12.240
\pm 15	\pm 50	\pm 0.5%	\pm 0.04%	1	CM	17.5	CM2.15.50
\pm 15	\pm 100	\pm 0.5%	\pm 0.04%	1	CM	17.5	CM2.15.100
\pm 15	\pm 200	\pm 0.5%	\pm 0.04%	1	CM	17.5	CM2.15.200
Triple Output							
\pm 12 & 5	\pm 100	\pm 1.0%	\pm 0.10%	2	CM	18.2	CM3.12.5
\pm 15 & 5	\pm 100 500	\pm 1.0%	\pm 0.10%	2	CM	18.2	CM3.15.5

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Specifications

All Parameters measured at 25°C, nominal input voltage and full rated load unless otherwise noted.

All Models			Unit
Input Frequency Range	TYP	50 to 60	Hz
Short Circuit Protection	TYP	Foldback Current Limiting	
Isolation			
Isolation Resistance	MIN	50	megohm
Isolation Voltage *	MIN	1200 -1500	VRMS
Input to Output Capacitance *	TYP	50 -250	pF
Environmental			
Case Operating Range	MIN	-25	°C
	MAX	+50	
Storage Range	MIN	-25	°C
	MAX	+85	
Temperature Coefficient	TYP	±0.01	%/°C
Case		CM	

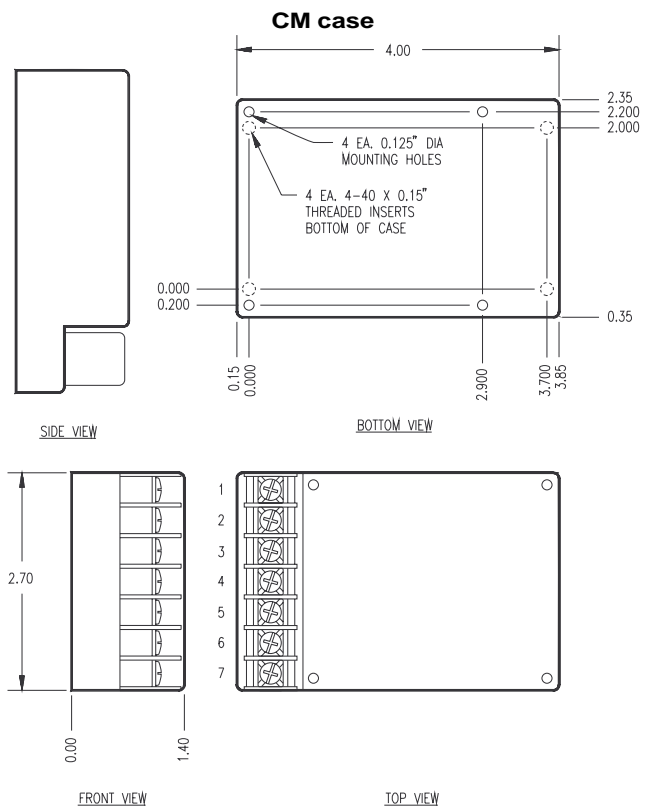
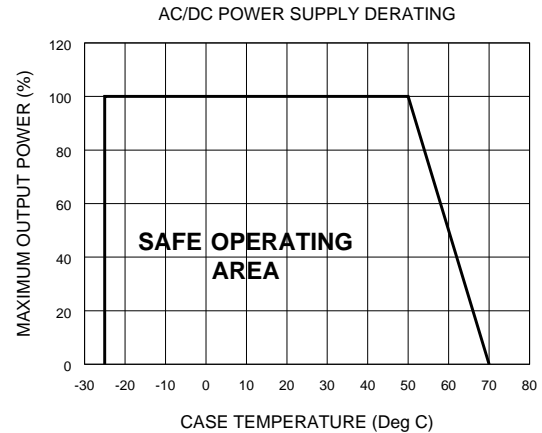
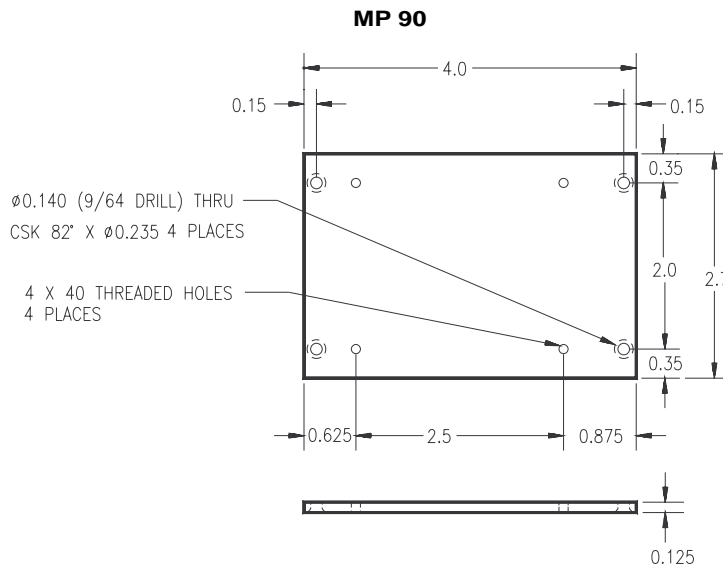
* Contact CALEX for information on exact model, call (800) 542-3355 or (510) 687-4411.

Mounting Adapter

Model MP 90

The model MP 90 interface plate is an adaptor between the mounting pattern of CALEX CM power supplies and that of some competitive products. This allows you to replace worn-out and obsolete models with reliable CALEX modules.

The interface plate is made of anodized aluminum with threaded holes and through holes for your choice of quick and convenient mounting.



Mechanical tolerances unless otherwise noted:

X.XX dimensions: ±0.020 inches

X.XXX dimensions: ±0.005 inches

Terminal Strip Assignments			
Screw Terminal	Function		
	Single	Dual	Triple*
1	-	-	AC IN
2	AC IN	AC IN	AC IN
3	AC IN	AC IN	5V CMN
4	-	-OUT	+5V OUT
5	CMN	CMN	-OUT
6	+OUT	+OUT	CMN
7	-	-	+OUT

* NOTE: CM Triple units' commons are isolated.