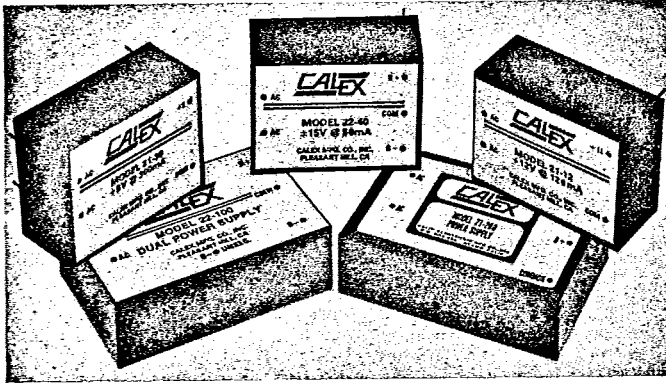


Subminiature Supplies

3355 Vincent Road, Pleasant Hill, CA 94523-4389 Telephone (415) 932-3911 Telex: 338 506

CALEX


SUBMINIATURE SUPPLIES

These supplies were designed for use with CALEX Instrumentation Modules. They are also ideal for limited space and/or low power requirement applications. CALEX offers the world's smallest encapsulated power supplies. "Rugged" is the word for these mini-modules that are capable of meeting MIL S-901. They are available in a variety of output voltages from +5 Volts to +15 Volts.

CASE SIZES

COMMON SPECIFICATIONS

Input Voltage:

115 $\pm$ 10VAC
 100 $\pm$ 10VAC (add "100" to Model No.)
 220 $\pm$ 20VAC (add "220" to Model No.)
 230 $\pm$ 20VAC (add "230" to Model No.)
 240 $\pm$ 20VAC (add "240" to Model No.)

Input Frequency Range:

50 to 60 Hz
 (Frequency up to 400 Hz available on special order.)
 (For 50 Hz operation derate output current 50%.)

Isolation:

Resistance: 50M Ω min.
 Capacitance: 250pF
 Voltage: 1500Vrms

Temperature Coefficient:

$\pm$ 0.01%/°C

Storage Temperature:

-25°C to +85°C

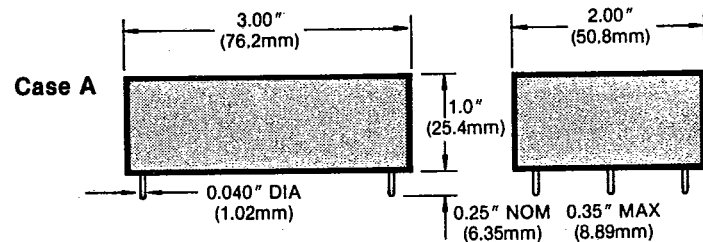
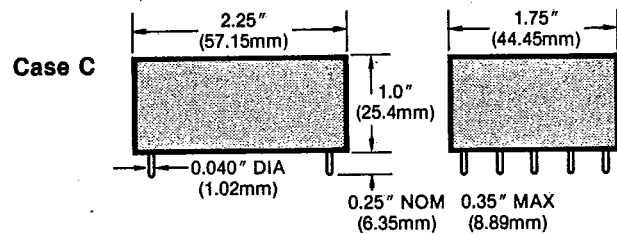
Maximum Operating Temperature

Without Derating:

+50°C

Short Circuit Protection:

Foldback Current Limiting
 (2 watts and above)
 Current Limiting (under 2 watts)



SELECTION CHART

Output Voltage	Output Current	Voltage Accuracy	Line & Load (NL to FL) Regulation	Noise & Ripple	Case Size	Model Number
+5V	300mA	$\pm$ 1%	$\pm$ 0.1%	2mVrms	C	21-30
+12V	120mA	$\pm$ 0.5%	$\pm$ 0.1%	2mVrms	C	21-12
+15V	100mA	$\pm$ 0.05%	$\pm$ 0.1%	2mVrms	A	21-200
$\pm$ 12V	$\pm$ 120mA	$\pm$ 0.5%	$\pm$ 0.02%	2mVrms	A	22-120
$\pm$ 15V	$\pm$ 50mA	$\pm$ 0.5%	$\pm$ 0.1%	2mVrms	C	22-40
$\pm$ 15V	$\pm$ 100mA	$\pm$ 0.5%	$\pm$ 0.02%	2mVrms	A	22-100
$\pm$ 15V	$\pm$ 100mA	$\pm$ 0.5%	$\pm$ 0.02%	2mVrms	A	22-100DV*

*Dual AC Input Voltage 105VAC to 125VAC or 210VAC to 250VAC.

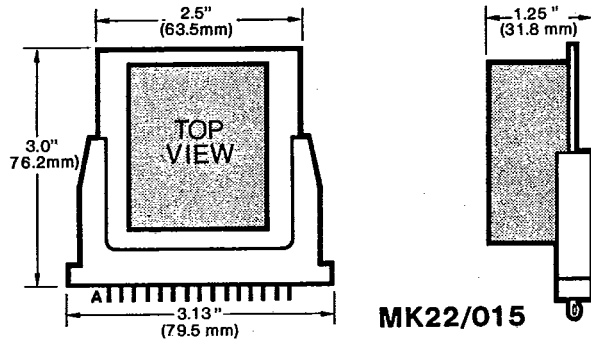
Mounting Kits for Subminiature Supplies



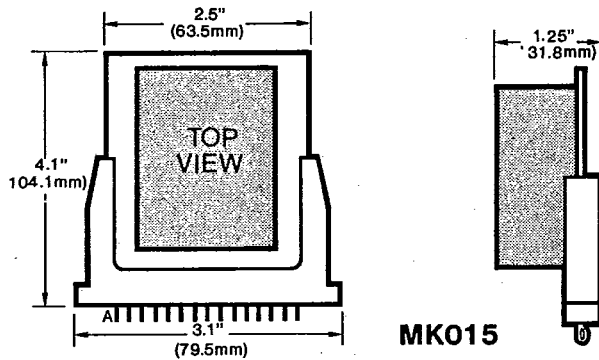
3355 Vincent Road, Pleasant Hill, CA 94523-4389 Telephone (415) 932-3911 Telex: 338 506 PIN CONFIGURATIONS

MOUNTING KITS

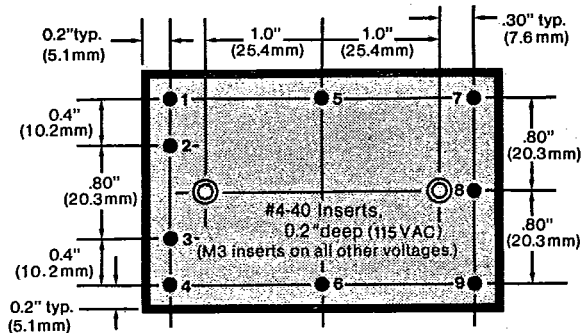
Two types of mounting kits are available for this subminiature series of supplies. One consists of a PC card with the 015 Instrumentation 15 pin connector. The second employs a barrier strip for chassis mount applications. The module can be firmly attached in place with mounting screws.



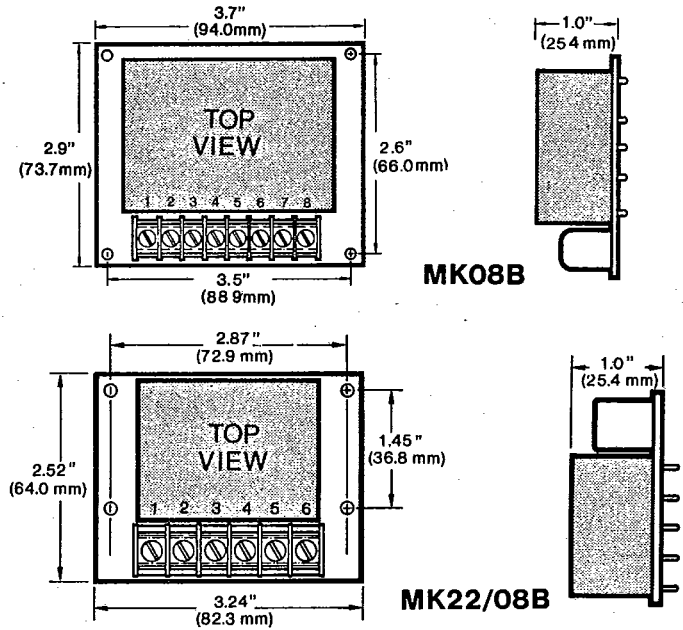
MK22/015



MK015



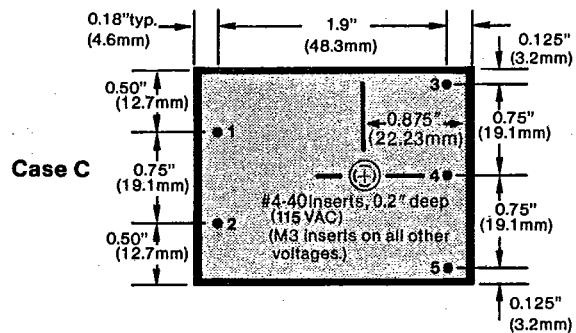
Case A



MK08B

MK22/08B

CASE TO MOUNTING KIT CONNECTIONS				
Case Size	A	C	A	C
Case Pin	MK08B	MK22/08B	MK015	MK22/015
1	—	1	—	P
2	2	2	P	S
3	3	6	S	C
4	—	5	E	J
5	5	4	L	A
6	4	—	—	—
7	8	—	C	—
8	7	—	J	—
9	6	—	A	—



Case C

MODEL						
PIN	22-120	22-100	22-100DV*	21-30	21-12	22-40
1			AC in	AC in	AC in	AC in
2	AC in	AC in		AC in	AC in	AC in
3	AC in	AC in		COM	COM	-15V reg
4			AC in			COM
5	-unreg	-unreg	-unreg	+5V reg	+12V reg	+15V reg
6	+unreg	+unreg	+unreg			
7	-12V reg	-15V reg	-15V reg			
8	COM	COM	COM			
9	+12V reg	+15V reg	+15V reg			

Pins not referenced are not inserted in case.

*For 230VAC in, add jumpers 2-3;
for 115VAC in, add jumpers 1-3 & 2-4