

LINEAR ENCAPSULATED POWER MODULES

FEATURES:

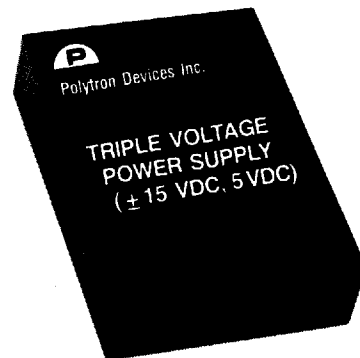
- **REGULATION** LINE & LOAD 0.2% to 0.02%
- **P.C. CARD OR CHASSIS MOUNTING**
- **SHORT CIRCUIT PROTECTION**
- **SINGLE, DUAL, TRIPLE OUTPUTS**

FROM STOCK

T-57-05

SPECIFICATIONS: ①

- **INPUT VOLTAGE AND FREQUENCY:** 105 to 125Vac-50 to 440Hz
- **INPUT ISOLATION:** 50 Mohms
- **VOLTAGE OUTPUT TOLERANCE:** Factory set at ± 1% (fixed)
- **OPERATING TEMPERATURE:** -25°C to +71°C
- **TEMPERATURE COEFFICIENT:** 0.02% / °C typical
- **STORAGE TEMPERATURE:** -25°C to 85°C



| SINGLE VOLTAGE UNITS | OUTPUT VOLT. (VDC) | OUTPUT CURRENT | REGULATION | | RIPPLE AND NOISE | CASE STYLE ③ | MODEL NUMBER | PRICE 1-9 QTY. |
|----------------------|--------------------|----------------|------------|-------|------------------|--------------|--------------|----------------|
| | | | LINE | LOAD | | | | |
| 5V | 5V | 200mA | 0.2% | .2% | 1.0mV RMS | G | P34-5SM | 36.00 |
| | | 500mA | 0.2% | .2% | 0.5mV RMS | A, 1AT | P37 | 30.00 |
| | | 500mA | 0.02% | 0.05% | 0.5mV RMS | A, 1AT | P37-1 | 41.00 |
| | | 1000mA | 0.2% | 0.2% | 1.0mV RMS | B, 1BT | P38 | 50.00 |
| | | 1000mA | 0.02% | 0.05% | 1.0mV RMS | B, 1BT | P38-1 | 63.00 |
| | | 1000mA | 0.02% | 0.05% | 0.5mV RMS | C, 1CT | P38/1.56 | 66.00 |
| | | 2000mA | 0.02% | 0.1% | 1.0mV RMS | C, 1CT | P39 | 76.00 |
| | | 3000mA | 0.02% | 0.15% | 1.0mV RMS | D, 1DT | P39-3 | 95.00 |
| 10V | 10V | 120mA | 0.1% | 0.1% | 1.0mV RMS | E | P33-10SM | 50.00 |
| | | 150mA | 0.1% | 0.1% | 1.0mV RMS | A, 1AT | P33-10S | 28.00 |
| | | 250mA | 0.1% | 0.1% | 1.0mV RMS | B, 1BT | P34-10S | 40.00 |
| | | 500mA | 0.02% | 0.05% | 0.5mV RMS | C, 1CT | P37-10S | 54.00 |
| 12V | 12V | 100mA | 0.1% | 0.1% | 1.0mV RMS | E | P33-12SM | 50.00 |
| | | 120mA | 0.02% | 0.1% | 1.0mV RMS | A, 1AT | P33-12S | 28.00 |
| | | 200mA | 0.1% | 0.1% | 1.0mV RMS | B, 1BT | P34-12S | 39.00 |
| | | 500mA | 0.02% | 0.1% | 0.5mV RMS | C, 1CT | P37-12S | 54.00 |
| | | 1000mA | 0.1% | 0.1% | 1.0mV RMS | D, 1DT | P38-12S | 69.00 |
| 15V | 15V | 80mA | 0.1% | 0.1% | 1.0mV RMS | E | P33-15SM | 50.00 |
| | | 120mA | 0.02% | 0.1% | 1.0mV RMS | A, 1AT | P33-15S | 26.00 |
| | | 200mA | 0.1% | 0.1% | 1.0mV RMS | B, 1BT | P34-15S | 38.00 |
| | | 300mA | 0.1% | 0.1% | 1.0mV RMS | C, 1CT | P35-15S | 55.00 |
| | | 500mA | 0.02% | 0.1% | 0.5mV RMS | C, 1CT | P37-15S | 59.00 |
| | | 800mA | 0.02% | 0.1% | 1.0mV RMS | D, 1DT | P38-15S | 69.00 |
| 18V | 18V | 50mA | 0.1% | 0.1% | 1.0mV RMS | E | P32-18SM | 50.00 |
| | | 50mA | 0.02% | 0.05% | 1.0mV RMS | A, 1AT | P32-18S | 31.00 |
| | | 100mA | 0.02% | 0.05% | 1.0mV RMS | A, 1AT | P33-18S | 34.00 |
| 24V | 24V | 50mA | 0.1% | 0.1% | 1.0mV RMS | E | P32-24SM | 50.00 |
| | | 100mA | 0.1% | 0.1% | 1.0mV RMS | A, 1AT | P33-24S | 31.00 |
| | | 300mA | 0.1% | 0.1% | 1.0mV RMS | C, 1CT | P35-24S | 57.00 |
| 48V | 48V | 50mA | 0.2% | 0.2% | 2.0mV RMS | B, 1BT | P32-48S | 42.00 |
| | | 100mA | 0.2% | 0.2% | 2.0mV RMS | B, 1BT | P33-48S | 54.00 |
| | | 200mA | 0.2% | 0.2% | 2.0mV RMS | C, 1CT | P34-48S | 76.00 |

① 115 VAC, 50 to 400 Hz. @ 25°C ② CASE STYLES ENDING WITH THE LETTER "T" (CHASSIS MOUNTED UNITS WITH TERMINAL BARRIER STRIP) ARE DESIGNATED BY THE SUFFIX "T". CASE STYLES A,B,C,D,G AND E (PC CARD MOUNTING) DO NOT REQUIRE SUFFIXING. ③ MOST COMPETITORS' PINOUTS AVAILABLE—CONTACT FACTORY



POLYTRON DEVICES, INC.

P.O. BOX 398, PATERSON, N.J. 07544 (201) 345-5885 FAX: (201) 345-1264

LINEAR POWER MODULES (Continued)

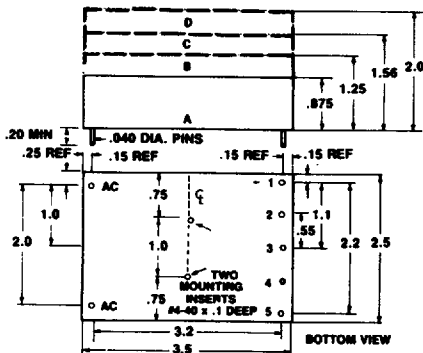
| | OUTPUT VOLT. (VDC) | OUTPUT CURRENT | REGULATION | | RIPPLE AND NOISE | CASE ② STYLE | MODEL NUMBER | PRICE 1-9 QTY. |
|-----------------------|--------------------|----------------|------------|-----------|------------------|--------------|--------------|----------------|
| | | | LINE | LOAD | | | | |
| DUAL VOLTAGE | ± 5V | ± 50mA | 0.02% | 0.02% | 1.0mV RMS | A, 2AT | P32-5 | 31.00 |
| | | ± 100mA | 0.1% | 0.1% | 1.0mV RMS | A, 2AT | P33-5 | 43.00 |
| | | ± 200mA | 0.1% | 0.1% | 1.0mV RMS | B, 2BT | P34-5 | 52.00 |
| | | ± 300mA | 0.02% | 0.05% | 0.5mV RMS | C, 2CT | P35-5 | 58.00 |
| | | ± 500mA | 0.02% | 0.05% | 0.5mV RMS | C, 2CT | P37-5 | 66.00 |
| | | ± 1000mA | 0.1% | 0.1% | 1.0mV RMS | D, 2DT | P38-5 | 86.00 |
| | ± 8V | ± 500mA | 0.1% | 0.1% | 1.0mV RMS | D, 2DT | P37-8 | 71.00 |
| | ± 10V | ± 100mA | 0.02% | .05% | 0.5mV RMS | A, 2AT | P33-10 | 40.00 |
| | ± 12V | ± 25mA | 0.1% | 0.1% | 2mV RMS | G | P31-12M | 36.00 |
| | | ± 25mA | 0.02% | 0.05% | 0.5mV RMS | A, 2AT | P31-12 | 23.00 |
| | | ± 50mA | 0.02% | 0.05% | 0.5mV RMS | A, 2AT | P32-12 | 29.50 |
| | | ± 100mA | 0.1% | 0.1% | 1.0mV RMS | A, 2AT | P33-12 | 40.00 |
| ± 200mA | | 0.1% | 0.1% | 1.0mV RMS | B, 2BT | P34-12 | 59.00 | |
| ± 300mA | | 0.1% | 0.1% | 1.0mV RMS | C, 2CT | P35-12 | 69.00 | |
| ± 15V | ± 25mA | 0.1% | 0.1% | 2mV RMS | G | P31-M | 36.00 | |
| | ± 25mA | 0.2% | 0.2% | 1.0mV RMS | A, 2AT | P31 | 23.00 | |
| | ± 25mA | 0.02% | 0.02% | 0.5mV RMS | A, 2AT | P31-1 | 26.00 | |
| | ± 50mA | 0.2% | 0.2% | 1.0mV RMS | A, 2AT | P32 | 28.00 | |
| | ± 50mA | 0.02% | 0.02% | 0.5mV RMS | A, 2AT | P32-1 | 37.00 | |
| | ± 100mA | 0.2% | 0.2% | 1.0mV RMS | A, 2AT | P33 | 38.00 | |
| | ± 100mA | 0.02% | 0.02% | 1.0mV RMS | A, 2AT | P33-1 | 42.00 | |
| | ± 200mA | 0.2% | 0.2% | 1.0mV RMS | B, 2BT | P34 | 57.00 | |
| | ± 200mA | 0.02% | 0.05% | 1.0mV RMS | B, 2BT | P34-1 | 68.00 | |
| | ± 350mA | 0.2% | 0.2% | 1.0mV RMS | C, 2CT | P35 | 68.00 | |
| ± 18V | ± 50mA | 0.1% | 0.1% | 1.0mV RMS | A, 2AT | P32-18 | 32.00 | |
| | ± 100mA | 0.1% | 0.1% | 1.0mV RMS | B, 2BT | P33-18 | 45.00 | |
| ± 24V | ± 50mA | 0.1% | 0.1% | 1.0mV RMS | B, 2BT | P32-24 | 46.00 | |
| | ± 100mA | 0.1% | 0.2% | 1.0mV RMS | B, 2BT | P33-24 | 69.00 | |
| | ± 200mA | 0.1% | 0.2% | 1.0mV RMS | C, 2CT | P34-24 | 92.00 | |
| TRIPLE VOLTAGE | 5V/ ± 12V | 250/ ± 60mA | .02% | 0.1% | 1.0mV RMS | C, 3CT | P51-12 | 52.00 |
| | | 250/ ± 120mA | .02% | 0.1% | 1.0mV RMS | C, 3CT | P52-12 | 66.00 |
| | | 500/ ± 120mA | .02% | 0.1% | 1.0mV RMS | C, 3CT | P53-12 | 72.00 |
| | | 300/ ± 180 mA | .02% | 0.1% | 1.0mV RMS | C, 3CT | P53-12L | 72.00 |
| | | 1000/ ± 150mA | .02% | 0.1% | 1.0mV RMS | D, 3DT | P53-1280 | 94.00 |
| | 5V/ ± 15V | 250/ ± 50mA | .02% | 0.1% | 1.0mV RMS | C, 3CT | P51-15 | 51.00 |
| | | 250/ ± 100mA | .02% | 0.1% | 1.0mV RMS | C, 3CT | P52-15 | 61.00 |
| | | 300/ ± 150mA | .02% | 0.1% | 1.0mV RMS | C, 3CT | P53-15L | 71.00 |
| | | 500/ ± 100mA | 0.02% | 0.1% | 1.0mV RMS | C, 3CT | P53-15 | 69.00 |
| | | 1000/ ± 150mA | 0.02% | 0.1% | 1.0mV RMS | D, 3DT | P53-1580 | 99.00 |

② CASE STYLES ENDING WITH THE LETTER "T" (CHASSIS MOUNTED UNITS WITH TERMINAL BARRIER STRIP) ARE DESIGNATED BY THE SUFFIX "T". CASE STYLES A,B,C,D,G AND E (P.C. CARD MOUNTING) DO NOT REQUIRE SUFFIXING

| | SINGLE AND DUAL UNITS | TRIPLE OUTPUT UNITS |
|---|-----------------------|---------------------|
| 1 | - VDC* | COM (5) |
| 2 | NO PIN | + 5 Vdc |
| 3 | COM * | - 12/- 15 |
| 4 | NO PIN | COM (12/15) |
| 5 | + VDC | + 12/ + 15 |

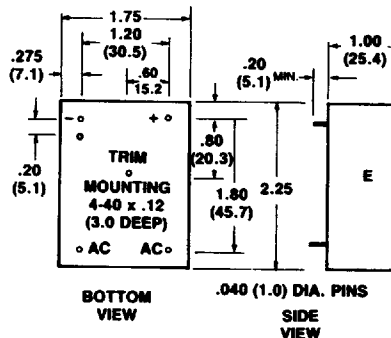
* - VDC Internally connected to COM for single output units. All dimensions are in inches.

CASES A,B,C,D

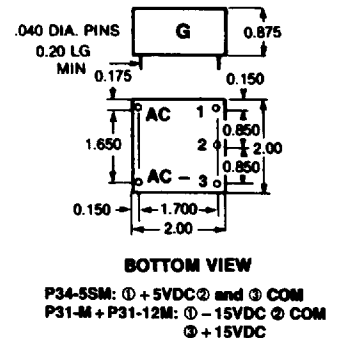


| OPTIONS AVAILABLE | SUFFIX | PRICE ADDER |
|---|--------|-------------|
| 220VAC | X | 5.00 |
| 240VAC | XE | 5.00 |
| 100VAC | Q | 10.00 |
| 115/220 | AX | 15.00 |
| Alternate Pin-Out | 22 | NONE |
| Chassis mounting with terminal barrier strip (case styles ending with letter ("T")) | T | 10.00 |

CASE E



CASE G



POWER SUPPLY OPTIONS

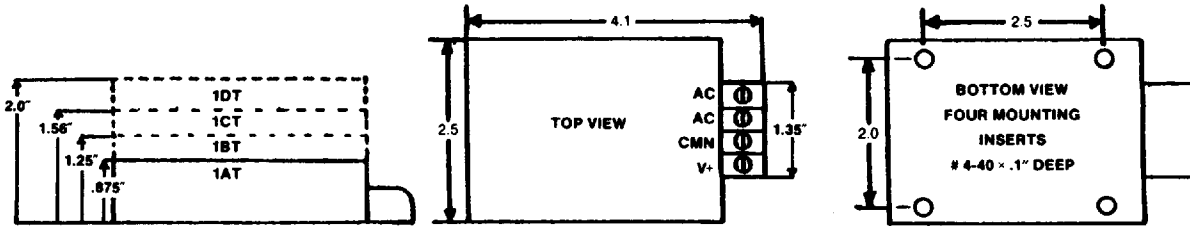
B-16-03

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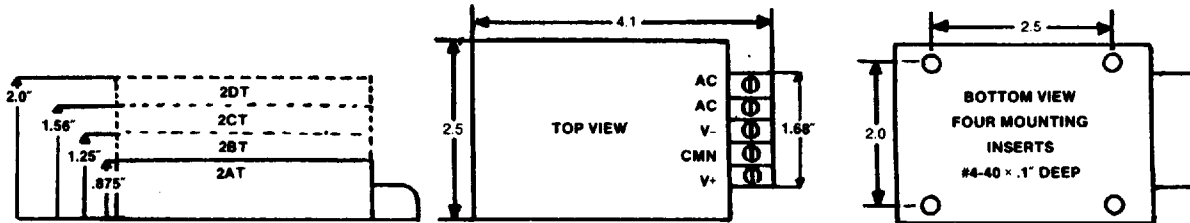
47E D ■ 7247478 0000068 275 ■ PDI

CHASSIS MOUNTED UNITS

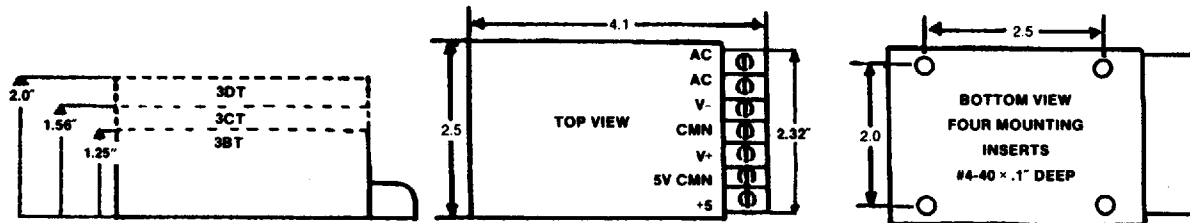
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SINGLE OUTPUT MODELS



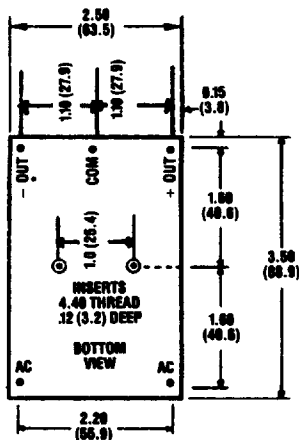
DUAL OUTPUT MODELS



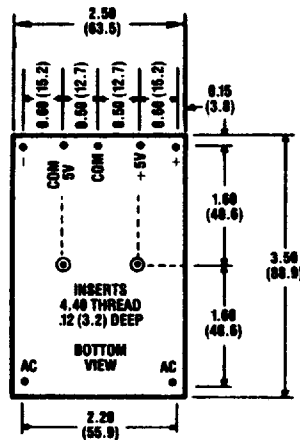
TRIPLE OUTPUT MODELS

ALTERNATE PIN-OUT

SINGLE AND DUAL OUTPUT MODELS

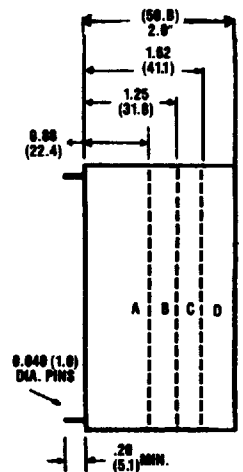


TRIPLE OUTPUT MODELS



TO SPECIFY ALTERNATE PIN-OUT USE SUFFIX "22"

SIDE VIEW



* NO CONNECTION FOR SINGLE OUTPUT UNITS.

ALL DIMENSIONS IN INCHES (mm)



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POWER SUPPLY ACCESSORIES & OPTIONS

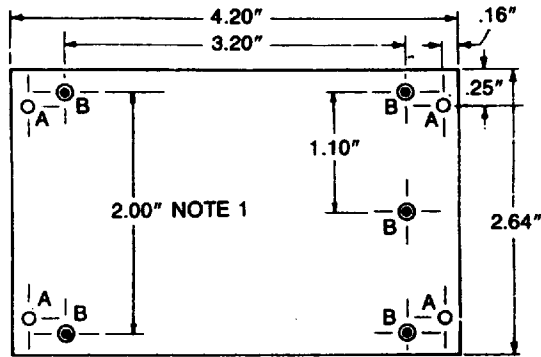
POLYTRON DEVICES INC

47E D ■ 7247478 0000069 101 ■ PDI

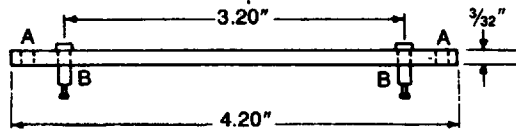
B-15-03

POWER SUPPLY SOCKETS

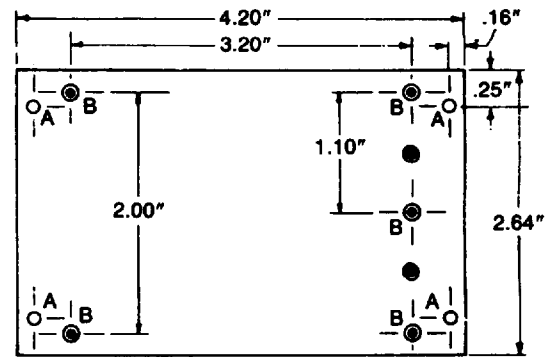
T-57-05



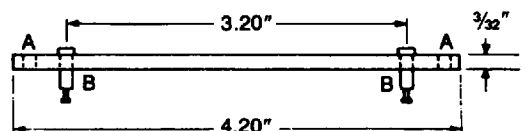
A. .141 hole for mounting unit B. Teflon inserts



MODEL S-5 \$8.00 ea. (For single and dual voltage units (Cases A, A1, B, C, D)
NOTE 1: For 2.2" AC pin spacing specify S-5/22

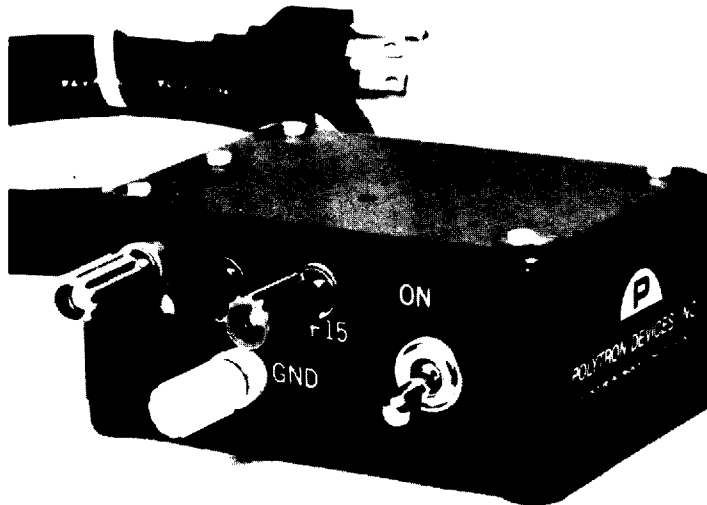


A. .141 hole for mounting unit B. Teflon inserts



MODEL S-7 \$10.00 ea.
(For triple voltage units Cases C, D)

POWER SUPPLY BENCH ADAPTER



Designed for all Single and Dual Linear Power Supplies in Cases A, B, C, D.

**MODEL M-5 (2.0" AC pin spacing)
M-5/22 (2.2" AC pin spacing)**

\$48.00/ea.



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