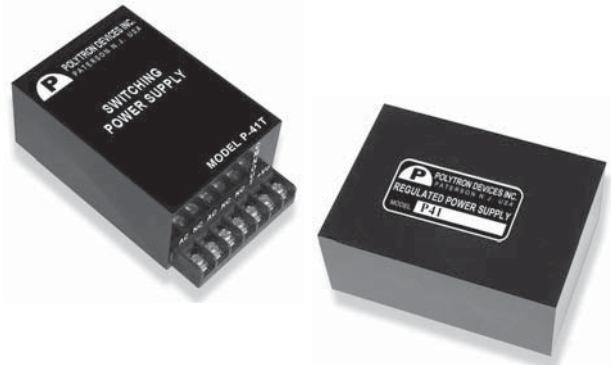




SWITCHING POWER MODULES

SINGLE/DUAL/TRIPLE OUTPUT P.C, CARD/CHASSIS MOUNTING



FEATURES

- AC Input
- Over Voltage & Short Circuit Protection
- High Performance EMI Input Filter
- P.C. Card or Chassis Mounting
- Single, Dual & Triple Output
- Linear Post Regulators

P41, P61, P71 Series

Specifications

Typical at 25°C under full load and nominal input voltage, unless otherwise specified

INPUT

Voltage Range.....90-130 Vac, 47-440 Hz
Universal Input Available
 Inrush Current.....10A peak

OUTPUT

Voltage Accuracy @ FL for Singles..... ±1.0%
 for Singles, +V for Duals, and +5V for Triple Units
 All other voltages.....±3.0%
 Line Regulation: Single Output.....±0.1%
 Load Regulation: Single Output.....±1.0%
 Ripple Noise.....10mVrms
 Temperature Coefficient.....±0.02%/°C typ.
 Transient Response.....1ms max.
 for a 50% to 100% load change

GENERAL

Efficiency.....70% typ.
 Isolation Voltage.....2500 Vrms Isolation
 Resistance.....50MOhms
 Switching Frequency.....40KHz typ.
 Protection.....Over Voltage Protection
Short Circuit Protection

ENVIRONMENTAL

Operating Temperature Range.....-25 to +71°C
 Storage Temperature Range.....-25 to +85°C

PHYSICAL

Weight.....0.90 lb.
 Dimensions.....See Chart and Diagrams

1. For High Heat Environment, use suffix "MH" after model number for metal header heat sinking.
 Unit should be mounted to metal chassis with heat transfer grease between base plate and Chassis.

Selection Guide

(Continued)

	Output Voltage (Vdc)	Output Current (mA)	Case	Model Number
SINGLE	5	3500	C	P41
			CT	P41-T
	12	2000	C	P41-12S
			CT	P41-12ST
	15	1800	C	P41-15S
			CT	P41-15ST
DUAL	±5	+2500/-300	C	P61-5
			CT	P61-5T
	±12	+1100/-350	C	P61-12
			CT	P61-12T
	±15	+1100/-350	C	P61-15
			CT	P61-15T
TRIPLE	±12 / 5	±350 / 2200	C	P71-12
			CT	P71-12T
	±15 / 5	±350 / 2200	C	P71-15
			CT	P71-15T

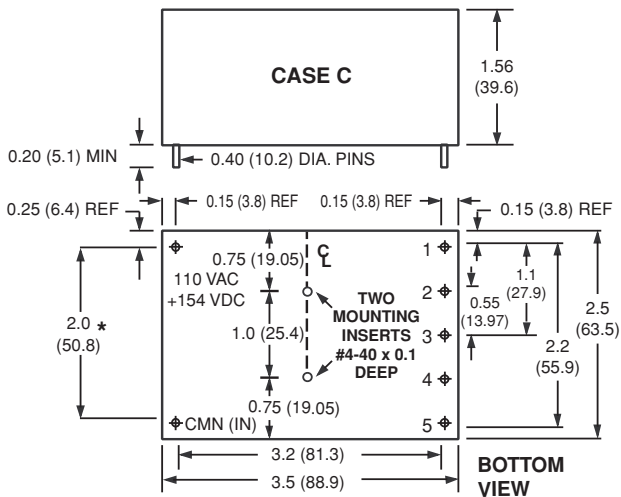
Mechanical Specifications

PC CARD MOUNTING - CASE C

I/O Connections			
TERMINAL	SINGLE	DUAL	TRIPLE
1	N/C	-Vdc	CMN (5)
2	No Pin	No Pin	+5Vdc
3	CMN	CMN	-12 / -15
4	No Pin	No Pin	CMN (12/15)
5	+Vdc	+Vdc	+12 / +15

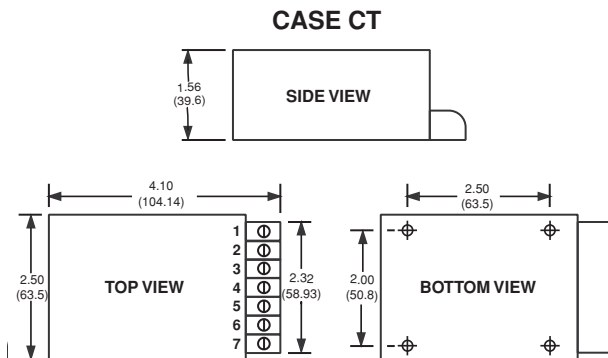
CHASSIS MOUNTED UNITS - CASE CT

I/O Connections			
TERMINAL	SINGLE	DUAL	TRIPLE
7	110Vac	110Vac	110Vac
6	N/C	N/C	N/C
5	CMN (In)	CMN (In)	CMN (In)
4	N/C	N/C	+5Vout
3	N/C	-Vout	-Vout
2	CMN (Out)	CMN (Out)	CMN (Out)
1	+Vout	+Vout	+Vout



* For 2.2" pin spacing, add suffix "22" to model number

All Dimensions are in inches (mm)



POLYTRON DEVICES, Inc.

P.O. Box 398, Paterson, New Jersey 07544 U.S.A.
 Tel: (973)345-5885 Fax: (973)345-1264 • Email: sales@polytrondevices.com • www.polytrondevices.com