



15 WATT TRIPLE OUTPUT

Regulated, 4:1 Input Range
DC/DC Converters



FEATURES

- **4:1 Wide Input Range**
- **Efficiency to 80% @ FL**
- **500 Vdc Input/ Output Isolation**
- **Low Profile Package**
- **Input Filter Pi Network**
- **6 Sided Shielding**

Y15 Triple Series

Specifications

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

INPUT

Input Voltages.....Voltage Range
 12 Vdc.....9-36 Vdc
 24 Vdc.....18-72 Vdc
 Input Filter.....Pi Network

OUTPUT

Voltage Accuracy.....(+V1 & -V2): ±2.0% max.
(+V3): ±3.0% max.
 Line Regulation±1.0% max.
 Load Regulation.....±2.0% max.
 Ripple Noise (20 MHz BW).....200mV p-p max.
 Temperature Coefficient (at FL).....±0.02%/°C max.
 Transient Response.....200ms max.

GENERAL

Efficiency.....80% typical
 Isolation Voltage.....500 Vdc min.
 Isolation Resistance.....1000MOhms
 Switching Frequency.....50KHz
 Protection.....Over Voltage
Fold Back Short Circuit Protection

ENVIRONMENTAL

Operating Temperature Range.....-25 to +71°C
 Storage Temperature Range.....-55 to +125°C
 CoolingFree Air Convection
 EMI/RFI.....Six Sided Continuous Metal Shield

PHYSICAL

Case Material.....Black Coated Copper w/
 Non-Conductive Metal Base
 Weight.....10 oz. (280 grams)
 Dimensions.....3.00" x 2.60" x 0.45"
 2.00" x 2.00" 0.45" Available

Selection Guide

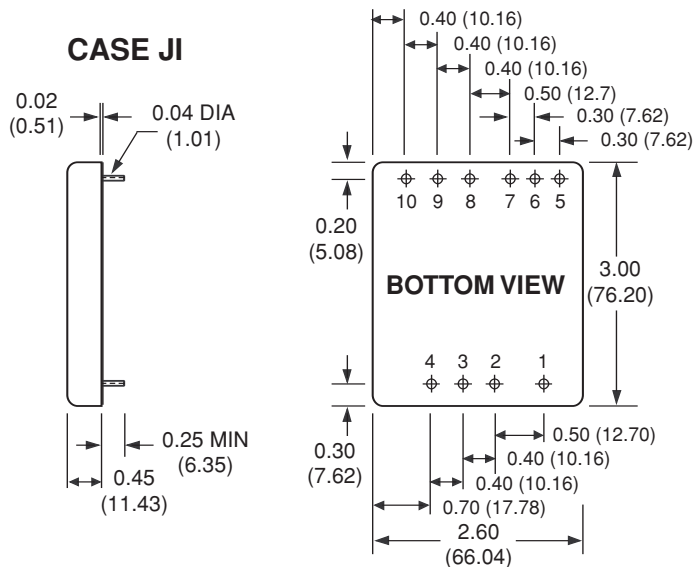
(Continued)

TRIPLE OUTPUT	Input Voltage Nominal (Range) (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Model Number	Case
	12 (9-36)	5 / ±12	1500 / ±310	Y15-12S5-12	J1
		5 / ±15	1500 / ±250	Y15-12S5-15	J1
		12/+5/-5	300 / 1500 / 500	Y15-12S12-5	J1
	48 (18-72)	5 / ±12	1500 / ±310	Y15-48S5-12	J1
		5 / ±15	1500 / ±250	Y15-48S5-15	J1
		12/+5/-5	300 / 1500 / 500	Y15-48S12-5	J1

*Available in 2" x 2" x 0.45" package.
 Use Suffix B2A after model number.
 Contact factory for details.

Mechanical Specifications

I/O Connections	
Pin	TRIPLE
1	Remote ON/OFF
2	+Vin
3	-Vin
4	No Pin
5	+Vout
6	Common
7	-Vout
8	+5V
9	No Pin
10	No Pin



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