



# 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
Cooling .....	Free 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

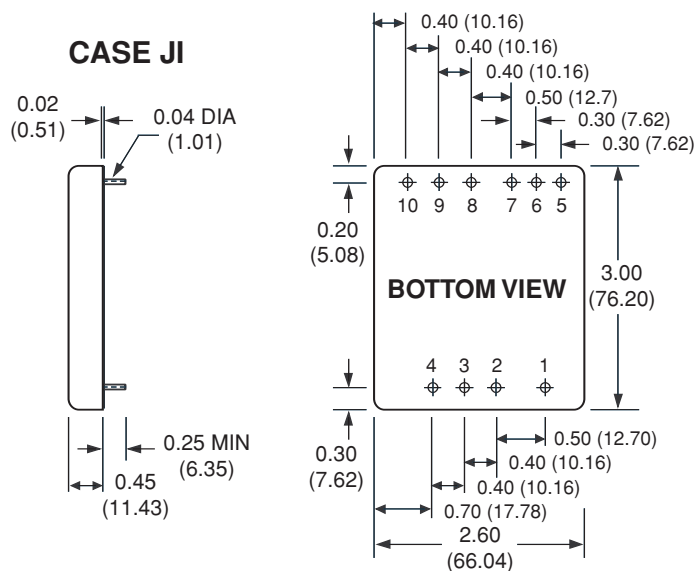
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TRIPLE OUTPUT	Input Voltage Nominal (Range) (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Model Number	Case
	12 (9-36)	5 / ±12	1500 / ±310	Y15-12S5-12	J1
		5 / ±15	1500 / ±250	Y15-12S5-15	J1
		12/+5/-5	300 / 1500 / 500	Y15-12S12-5	J1
	48 (18-72)	5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