

Regulated DC/DC Converter 5Watt 4:1 Input Range

Y5 Series

SPECIFICATIONS: Typical @ 25°C Under Full Load and Nominal Input Voltage Unless Otherwise Specified

INPUT

Input Voltage 9-36 Vdc
 18-72 Vdc
 Input Filter PI Network

OUTPUT

Voltage Accuracy: + Output $\pm 1.5\%$
 - Output $\pm 2\%$
 Line Regulation: 10W, 15W Series: $\pm 1\%$ Max
 5W Series: $\pm 0.5\%$ Max
 Load Regulation: 5W Series: $\pm 1\%$ Max
 10W Series: Single: $\pm 1\%$ Max
 Dual: $\pm 2\%$ Max
 15W Series: Single: $\pm 0.5\%$ Max
 Dual: $\pm 2\%$ Max
 Ripple and Noise (20 MHz BW): 1% P-P Max
 Transient Response (Full Load to
 1/2 Load): 20m Sec Max to
 1% of Final Value
 Over Voltage Protection Built-in
 Short Circuit Protection Fold Back



GENERAL

Efficiency: 5W Series 72%
 10W Series 80%
 15W Series 86%
 Isolation Voltage: 500 Vdc Min
 Isolation Resistance: 10^9 Ohms
 Switching Frequency: 5W and 10W Series: 50-70 KHZ
 15W Series: 100 KHZ

ENVIRONMENTAL:

Operating Temperature: -25°C to +71°C
 Storage Temperature: -55°C to +105°C
 Temperature Coefficient: 0.02% / °C Max
 Cooling: Free Air Convection
 EMI/RFI: Six Sided Continuous Metal Shield

PHYSICAL:

Case Size: 2"x2"x0.4" (50.8x50.8x10.2mm)
 Case Material: Black Coated Copper with Non
 Conductive Metal Base
 Weight: 3 oz. (9 grams)

5W DC/DC CONVERTER

	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	MODEL NO.	CASE	PRICE 1-9 QTY.
SINGLE VOLTAGE	9-36	5	1000	Y5-24S5	B2	\$74.00
		12	417	Y5-24S12	B2	\$74.00
		15	334	Y5-24S15	B2	\$74.00
	18-72	5	1000	Y5-48S5	B2	\$74.00
		12	417	Y5-48S12	B2	\$74.00
		15	334	Y5-48S15	B2	\$74.00
DUAL VOLTAGE	9-36	± 5	± 500	Y5-24-5	B2	\$79.00
		± 12	± 210	Y5-24-12	B2	\$79.00
		± 15	± 170	Y5-24-15	B2	\$79.00
	18-72	± 5	± 500	Y5-48-5	B2	\$79.00
		± 12	± 210	Y5-48-12	B2	\$79.00
		± 15	± 170	Y5-48-15	B2	\$79.00

CASE B2

PIN	SINGLE	DUAL
1	+ INPUT	+ INPUT
2	- INPUT	- INPUT
3	+ OUTPUT	+ OUTPUT
4	NO PIN*	COMMON
5	- OUTPUT	- OUTPUT

*TRIM FOR 10W, 15W SERIES

