

Regulated DC/DC Converter 25W & 30W

4:1 Input Range Triple Voltage Y25Series

SPECIFICATIONS:

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

INPUT

Voltage Range: 9-36 VdC
 18-72 VdC

OUTPUT

Voltage Accuracy: Single $\pm 1\%$
 Dual $\pm 1\%$ (w/Balance Load)
 Line Regulation: Case JY: $\pm 0.02\%$ Max
 Case JI: Single: $\pm 0.05\%$ Max
 Dual: $\pm 1\%$ Max
 Load Regulation: Case JY: Single $\pm 1\%$ Max
 Dual: $\pm 2\%$ Max
 Case JI: Single $\pm 0.5\%$
 Dual: $\pm 2\%$ Max

Ripple and Noise (20 MHz BW): 0.5 - 1% P-P Max
 Over Voltage Protection: Built-in
 Short Circuit Protection: Fold Back

PHYSICAL:

Case Material: Black Coated Copper with Non-Conductive Base
 Case Size: Case JY: 3" x 2.60" x 0.82" (76.2 x 66.0 x 20.83mm)
 Case JI: 3" x 2.60" x 0.40" (76.2 x 66.0 x 10.2mm)
 Weight: Case JY: 10 oz. (280 grams)
 Case JI: 5 oz. (156 grams)
 Remote On/Off Control Supply On = 5.5V or Open Circuit, Supply Off = 0-0.8V
 Logic Input Reference to Minus Input

GENERAL

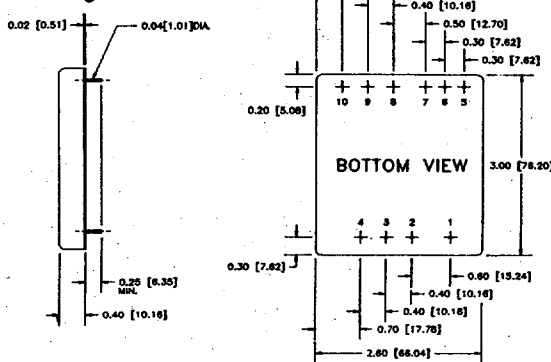
Efficiency: Case JY: 82%
 Case JI: 84%
 Isolation Voltage: 500 VdC
 Isolation Resistance: 10^9 Ohms
 Switching Frequency: 100KHz

ENVIRONMENTAL

Operating Temperature: -25°C to +71°C
 Storage Temperature: -55°C to +105°C
 Temperature Coefficient (@ Full Load): 0.02°C Max
 Cooling: Free Air Convection
 EMI/RFI: Six Sided Continuous Metal Case

TRIPLE VOLTAGE	INPUT VOLTAGE (VdC)	OUTPUT VOLTAGE (VdC)	OUTPUT CURRENT (mA)	MODEL NO.	CASE	PRICE 1-9 QTY.
	9-36		5 / ± 12	3000 / ± 600	Y30-12S5-12	JY
		5 / ± 12	3000 / ± 600	Y30-12S5-12-JI	JI	\$142.00
		5 / ± 15	3000 / ± 500	Y30-12S5-15	JY	\$132.00
		5 / ± 15	3000 / ± 500	Y30-12S5-15-JI	JI	\$142.00
		+ 5 / + 12 / - 5	3000 / 600 / 1000	Y30-12S12-5	JY	\$132.00
		+ 5 / + 12 / - 5	3000 / 600 / 1000	Y30-12S12-5-JI	JI	\$142.00
18-72		5 / ± 12	3000 / ± 600	Y30-25S5-12	JY	\$132.00
		5 / ± 12	3000 / ± 600	Y30-24S5-12-JI	JI	\$142.00
		5 / ± 15	3000 / ± 500	Y30-24S5-15	JY	\$132.00
		5 / ± 15	3000 / ± 500	Y30-24S5-15-JI	JI	\$142.00
		+ 5 / + 12 / - 5	3000 / 600 / 1000	Y30-24S12-5	JY	\$132.00
		+ 5 / + 12 / - 5	3000 / 600 / 1000	Y30-24S12-5-JI	JI	\$140.00

CASE JI

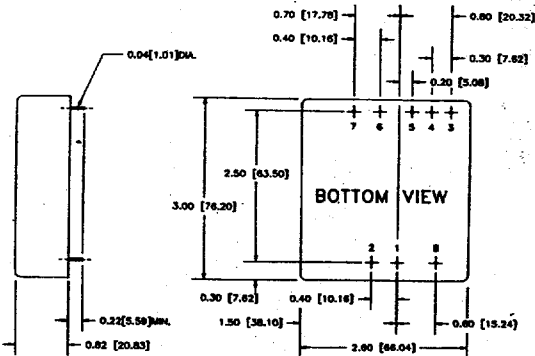


PIN	SINGLE OUTPUT	DUAL OUTPUT	TRIPLE
1	REMOTE ON/OFF	REMOTE ON/OFF	PIN
2	+ INPUT	+ INPUT	+ INPUT
3	- INPUT	- INPUT	- INPUT
4	NO PIN	NO PIN	NO PIN
5	NO PIN	+ OUTPUT	+ OUTPUT
6	OUTPUT TRIM	COMMON	COMMON
7	NO PIN	- OUTPUT	- OUTPUT
8	+ OUTPUT	OUTPUT TRIM	+5V OUTPUT
9	- OUTPUT	NO PIN	NO PIN
10	NO PIN	NO PIN	NO PIN

CASE JY

PIN CONNECTIONS

PIN	SINGLE	DUAL	TRIPLE
1	+ INPUT	+ INPUT	+ INPUT
2	- INPUT	- INPUT	- INPUT
3	NO PIN	+ OUTPUT	+ OUTPUT
4	OUTPUT TRIM	COMMON	COMMON
5	NO PIN	- OUTPUT	- OUTPUT
6	+ OUTPUT	NO PIN	+5V OUTPUT
7	- OUTPUT	NO PIN	NO PIN
8	REMOTE ON/OFF	REMOTE ON/OFF	REMOTE ON/OFF



All Dimensions in inches (mm).

BOTTOM VIEW

7247478 0000233 818

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