

Regulated DC/DC Converter 25Watt Y25 Series

4:1 Input Range

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

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

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)

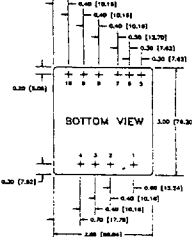
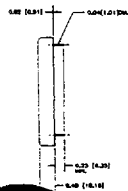
Remote On/Off Control Supply On = 5.5V or Open Circuit, Supply Off = 0-0.8V

Logic Input Reference to Minus Input

25/30W DC/DC CONVERTER

	INPUT VOLTAGE (VdC)	OUTPUT VOLTAGE (VdC)	OUTPUT CURRENT (mA)	MODEL NO.	CASE	PRICE 1-9 QTY.
SINGLE VOLTAGE	9-36	5	5000	Y25-12S5	JY	\$118.00
		5	5000	Y25-12S5-JI	JI*	\$128.00
		12	2500	Y25-12S12	JY	\$118.00
		12	2500	Y25-12S12-JI	JI*	\$128.00
		15	2000	Y25-12S15	JY	\$118.00
		15	2000	Y25-12S15-JI	JI*	\$128.00
	18-72	5	5000	Y25-24S5	JY	\$118.00
		5	5000	Y25-24S5-JI	JI*	\$128.00
		12	2500	Y25-24S12	JY	\$118.00
		12	2500	Y25-24S12-JI	JI*	\$128.00
DUAL VOLTAGE	9-36	± 12	± 1250	Y25-12-12	JY	\$123.00
		± 12	± 1250	Y25-12-12-JI	JI*	\$133.00
		± 15	± 1000	Y25-12-15	JY	\$123.00
		± 15	± 1000	Y25-12-15-JI	JI*	\$133.00
	18-72	± 12	± 1250	Y25-24-12	JY	\$123.00
		± 12	± 1250	Y25-24-12-JI	JI*	\$133.00
		± 15	± 1000	Y25-24-15	JY	\$123.00
		± 15	± 1000	Y25-24-15-JI	JI*	\$133.00

CASE JI

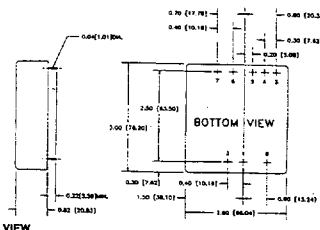


PIN	SINGLE OUTPUT	DUAL OUTPUT	TRIPLE
1	REMOTE ON/OFF	REMOTE ON/OFF	PIN
2	- INPUT	+ INPUT	- INPUT
3	- INPUT	- INPUT	- INPUT
4	NO PIN	NO PIN	NO PIN
5	NO PIN	+ OUTPUT	+ OUTPUT
6	OUTPUT TRIM	COMMON	COMMON
7	NO PIN	- OUTPUT	- OUTPUT
8	+ OUTPUT	OUTPUT TRIM	+5V OUTPUT
9	- OUTPUT	NO PIN	NO PIN
10	NO PIN	NO PIN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

*LOW PROFILE PACKAGE

CASE JY

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



BOTTOM VIEW

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