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 ± 1%
Dual ± 1% (w/Balance Load)
Line Regulation: Case JY: ± 0.02% Max
Case JI: Single: ± 0.05% Max
Dual: ± 1% Max
Load Regulation: Case JY: Single ± 1% Max
Dual: ± 2% Max
Case JI: Single ± 0.5%
Dual: ± 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

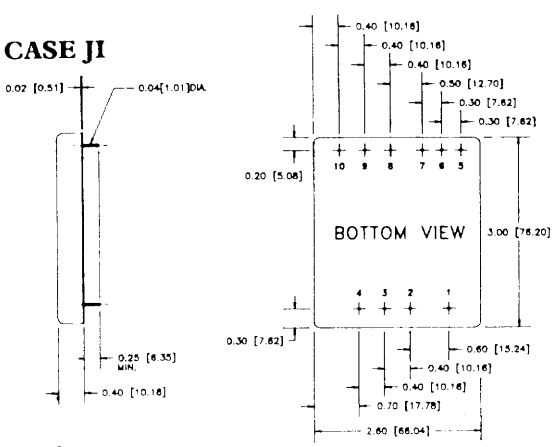
Operating Temperature: — 25°C to + 71°C
Storage Temperature: — 55°C to + 105°C
Temperature Coefficient (@ Full Load): 0.02%/°C Max
Cooling: Free Air Convection
EMI/RFI: Six Sided Continous Metal Case

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

	INPUT VOLTAGE (VdC)	OUTPUT VOLTAGE (VdC)	OUTPUT CURRENT (mA)	MODEL NO.	CASE	PRICE 1-9 QTY.
TRIPLE VOLTAGE	9-36	5 / ± 12	3000 / ± 600	Y30-24S5-12	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	$142.00
	18-72	5 / ± 12	3000 / ± 600	Y30-48S5-12	JY	$132.00
		5 / ± 12	3000 / ± 600	Y30-48S5-12-JI	JI	$142.00
		5 / ± 15	3000 / ± 500	Y30-48S5-15	JY	$132.00
		5 / ± 15	3000 / ± 500	Y30-48S5-15-JI	JI	$142.00
		+ 5 / + 12 / — 5	3000 / 600 / 1000	Y30-48S12-5	JY	$132.00
		+ 5 / + 12 / — 5	3000 / 600 / 1000	Y30-48S12-5-JI	JI	$140.00

CASE JI

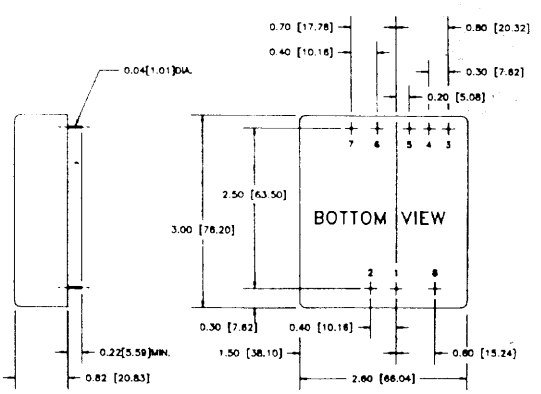


PIN	SINGLE OUTPUT	DUAL OUTPUT	TRIPLE
1	REMOTE ON/OFF	REMOTE ON/OFF	PIN
2	+ INPUT	+ INPUT	+ INPUT
3	— INPUT	— INPUT	— INPUT
4	NO PIN	NO PIN	NO PIN
5	NO PIN	+ OUTPUT	+ OUTPUT
6	OUTPUT TRIM	COMMON	COMMON
7	NO PIN	— OUTPUT	— OUTPUT
8	+ OUTPUT	OUTPUT TRIM	+5V OUTPUT
9	— OUTPUT	NO PIN	NO PIN
10	NO PIN	NO PIN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