

Regulated DC/DC Converter

10W (3.3 Vdc OUTPUT)

FEATURES:

- Input/Output Isolation
- Input Filter Pi Network
- Efficiency 80%
- Switching Frequency 100 KHz Min.
- Short Circuit Protection
- Oversvoltage Protection
- Remote On/Off Control (Optional)
- Six Sided Shielding
- Epoxy Encapsulated

SPECIFICATIONS:

Typical @ 25°C under full load and nominal input voltage unless otherwise specified.

INPUT

- Voltage Range..... See Chart
- Temperature Coefficient (@FL)..... ± 0.02%/°C Max.
- Cooling..... Free Air Convection
- EMI/RFI..... Six Sided Continuous Metal Shield

Input Filter..... Pi Network

Remote On/Off Control (Optional)

Supply On = 5.5V or Open Circuit

Supply Off = 0 - 0.8V

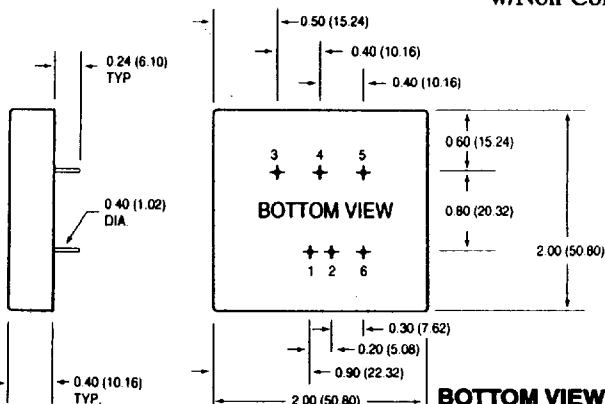
Logic Input Reference to Minus Input

Logic Compatibility..... TTL or CMOS

GENERAL

- Efficiency (@FL)..... 80% Typical
- Isolation Voltage..... 500 Vdc Min.
- Isolation Resistance..... 100 MOhms
- Switching Frequency..... 100 KHz Min.

PIN	FUNCTION
1.	+ INPUT
2.	- INPUT
3.	+ OUTPUT
4.	TRIM
5.	- OUTPUT
6.	REMOTE ON/OFF



All dimensions are in inches (mm)

OUTPUT:

- Voltage Accuracy..... ± 3% Max.
- Line Regulation (@FL)..... ± 0.5% Max.
- Load Regulation (FL to 1/2 L)..... ± 1% Max.
- Ripple & Noise (20 MHz BW) 50 mV
- Transient Response (FL to 1/2 FL)..... 200 MSEC Max to 1% Final Value
- Output Protection..... Short Circuit Protection
Oversvoltage Protection

ENVIRONMENTAL:

- Operating Temperature Range..... -25°C to ± 70°C
- Storage Temperature Range..... -55°C to ± 125°C

PHYSICAL SPECIFICATIONS:

- Case Size..... 2" x 2" x 0.4"
(50.8 x 50.8 x 10.2 mm)
- Case Material Black Coated Copper
w/Non-Conductive Metal Base

INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (mA)	INPUT CURRENT (mA)		MODEL NO.	CASE	PRICE (1-9 QTY)
			NO LOAD	FULL LOAD			
4.5-6	3.3	3000	10	2470	YW10-5S03	B2	\$79.00
9-18	3.3	3000	10	1030	YW10-12S03	B2	\$79.00
18-36	3.3	3000	10	500	YW10-24S03	B2	\$79.00
36-72	3.3	3000	10	246	YW10-48S03	B2	\$79.00

