

1 Watt 1100 Series DC-DC Regulated Converters



Specifications

Input:

Voltage (see chart for selection).
Reverse polarity protected to 100VDC
(except on 5V and 6V input models).

Output:

Voltage and Current: (see chart for selection).

Voltage Set Point: Factory set within 0.5% of selected output.

Regulation:

Line (Low to High): 0.1% max.
Load (NL-FL): 0.2% max.
Temperature: 0.007%/°C typ.
0.015%/°C max.

Ripple:

V (Peak to Peak) less than 1.0% of rated output voltage.

Frequency 40KHz $\pm 20\%$

Polarity:

All outputs may be used as either positive or negative supplies.

Protection:

Overload and short circuit by current limiting

Isolation:

Input to output 300VDC
Output to output 100VDC

Efficiency:

40% typ. at full load under nominal conditions

Environmental

Operating temp.:

-20°C to +85°C baseplate.

Storage temp.: -55°C to +105°C

Case rise: 20°C at full load in free air

Mechanical:

Terminals: P.C. type

Case: glass-filled diallyl phthalate with aluminum heat plate

Encapsulation: Epoxy

Weight: 2 oz. typ.

EMI:

Input filter reduces reflected powerline ripple.

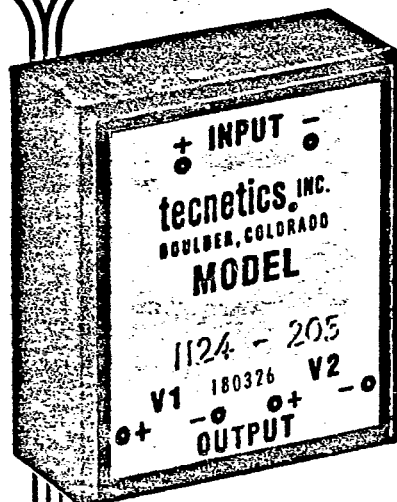
MTBF:

Value dependent upon environment and component certification.

Part Number:

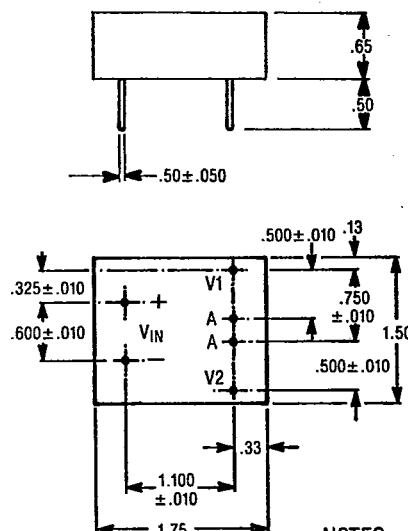
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Series Vout No Out Vin



Features

- Excellent line, load and temperature regulation
- Output protected by current limiting
- Input filters reduce conducted EMI
- Dual output voltages available
- High performance in an economical, small package



NOTES:

1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE ± 0.020 .
2. PINS "A" ARE NOT USED ON SINGLE OUTPUT MODELS.

Model	Output Volts (VDC) Nom.	Output Current (mA) Nom.	Input Voltage (VDC)					
			5 $\pm$.5	6 $\pm$ 1	12 $\pm$ 2	24 $\pm$ 4	28 $\pm$ 4	48 $\pm$ 6
1103	3.6	278	-105	-106	-112	-124	-128	-148
1105	5	200						
1106	6	167						
1107	7	143						
1108	8	125						
1109	9	112						
1110	10	100						
1112	12	84						
1115	15	67						
1118	18	56						
1120	20	50						
1124	24	42	-105	-106	-112	-124	-128	-148
	V1	V2	I1	I2				
1110	10	10	50	50	-205	-206	-212	-224
1112	12	12	42	42				-228
1115	15	15	34	34				-248
1118	18	18	28	28				
1120	20	20	25	25				
1124	24	24	21	21	-205	-206	-212	-224