



# 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 ±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

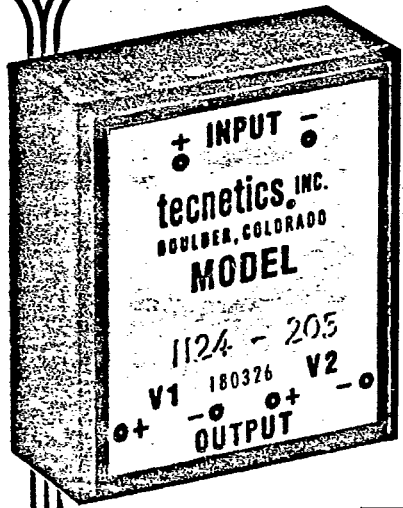
**Environmental**  
Operating temp.: -20°C to +85°C baseplate.  
Storage temp.: -55°C to +105°C  
Case rise: 20°C at full load in free air

**Mechanical:**  
Terminals: P.C. type  
Case: glass-filled diallyl phthallate with aluminum heat plate  
Encapsulation: Epoxy  
Weight: 2 oz. typ.

**EMI:**  
Input filter reduces reflected powerline ripple.

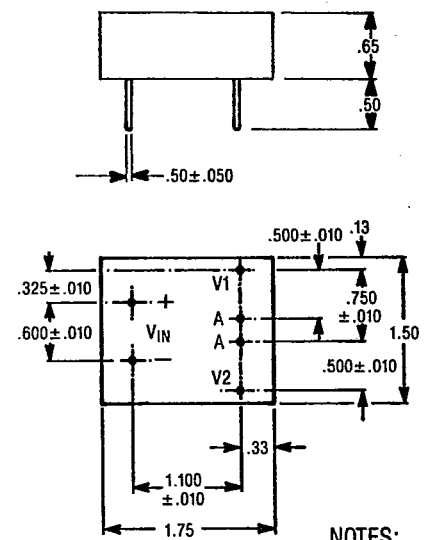
**MTBF:**  
Value dependent upon environment and component certification.

**Part Number:**  
11 XX - X XX  
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 ± .5	6 ± 1	12 ± 2	24 ± 4	28 ± 4	48 ± 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	-228	-248
1112	12	12	42	42						
1115	15	15	34	34						
1118	18	18	28	28						
1120	20	20	25	25						
1124	24	24	21	21	-205	-206	-212	-224	-228	-248

