



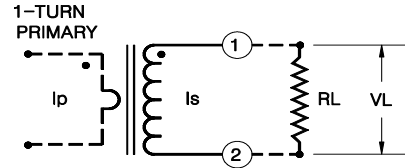
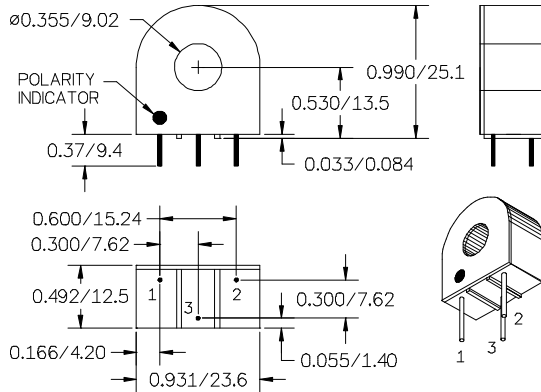
# 10 A Current Transformer Model R44

## Electrical Specifications:

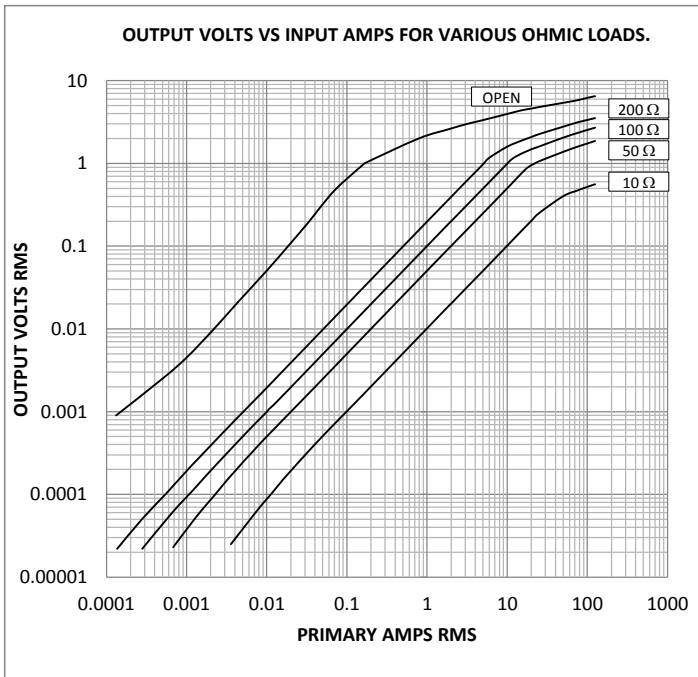
Turns Ratio: 1000:1 Nominal.  
 Rated Current: See chart and table below.  
 Max output Voltage: 8 Vrms at 60Hz.  
 Operating Frequency Range: 20 Hz. - 20 kHz.  
 DC Resistance at 20°C: 52 OHMS ± 10%  
 Series inductance at 1V, 50Hz.: 8 H MIN.  
 Dielectric Withstanding Voltage (DWV): 4 kV

## Other Specifications:

Flammability: Conforms to UL94-V0  
 Pins: Tin plated round copper, 0.032" dia (#20 AWG)  
 Storage Temp. Range: -55°C - +130°C  
 Line current for 30°C temperature rise: 104 A  
 Net wt.: 16 gm.  
 All dimensions are in inches/mm.  
 Tolerance: ± 0.010 / 0.25  
 Marking: GMR44 YY-WW (datecode)



$I_p$ : Primary Current  
 $I_s$ : Secondary current  
 $V_L$ : Output voltage across load RL  
 $R_L$ : Terminating Resistor  
 In the linear range,  
 $I_p = V_L \times N / R_L$   
 Where N is the nominal ratio of the transformer



## Notes:

- Pin 3 is for mechanical support and is not electrically connected.
- The terminating resistor and the one-turn primary are not supplied.
- Dot indicates pin with positive polarity when positive current flows into face with dot on it.
- For Right pin polarity, add -R to P/N. ie. R44-R
- Custom marking available .

Linear Range		
Load RL OHM	Volts per Amp (V/A)	Current Range for ±1% linearity
10	0.01	50mA - 31A
50	0.05	8mA - 17A
100	0.1	4mA - 11A
200	0.2	2mA - 6.4A

Values are for 60 Hz. Reduce top end of current range by 20% at 50 Hz.

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