

KR Electronics, Inc.

General Description

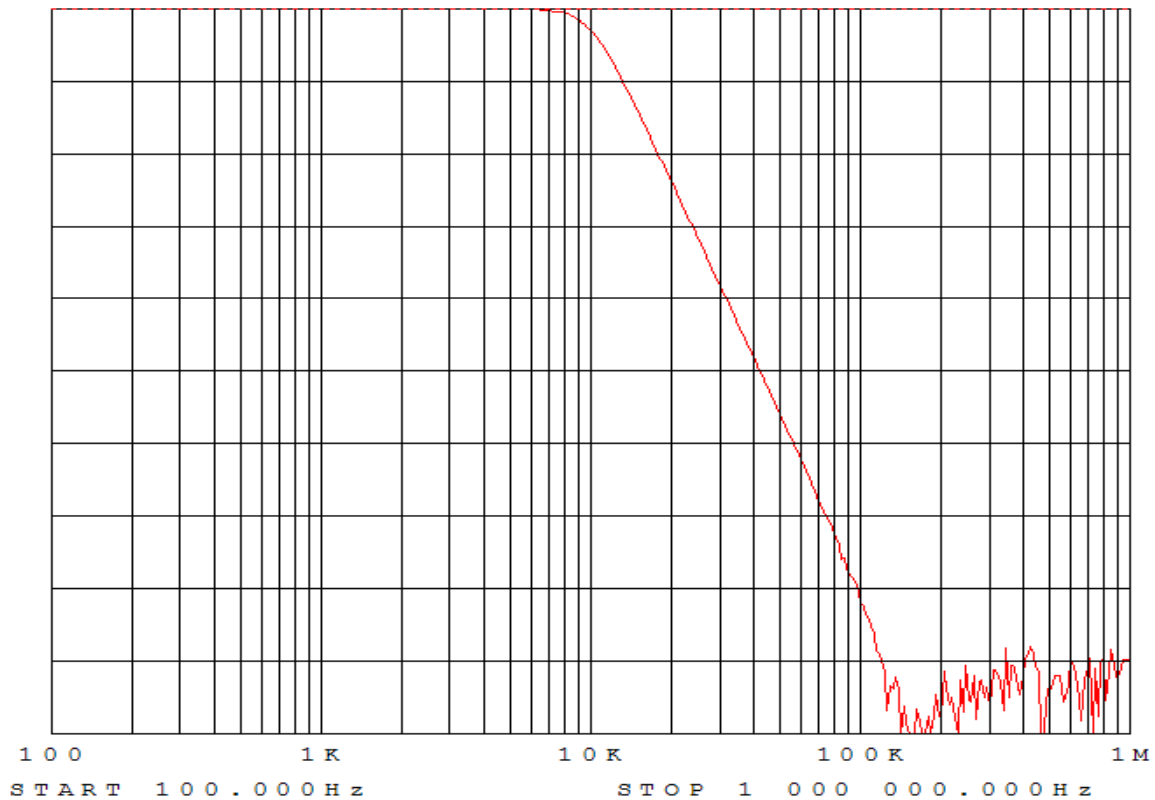
KR Electronics 3394-10KHZ is a 10 KHz, 4-pole Butterworth active lowpass filter. The filter was designed to have an equivalent frequency response and be pin compatible to Frequency Devices obsolete D70L4B-10KHz. Other passband frequencies are available. Please consult the factory.

Features

- 10 KHz Active Lowpass Filter
- 4 Pole Butterworth
- 0.65" x 0.51" x 0.30" DIP
- D70L4B-10KHz Replacement
- Encapsulated for Shock & Vibration
- Other Cutoff Frequencies available
- Also available with BNC Connectors

Typical Performance

REF LEVEL / DIV
0.000 dB 10.000 dB



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Avenel, NJ 07001

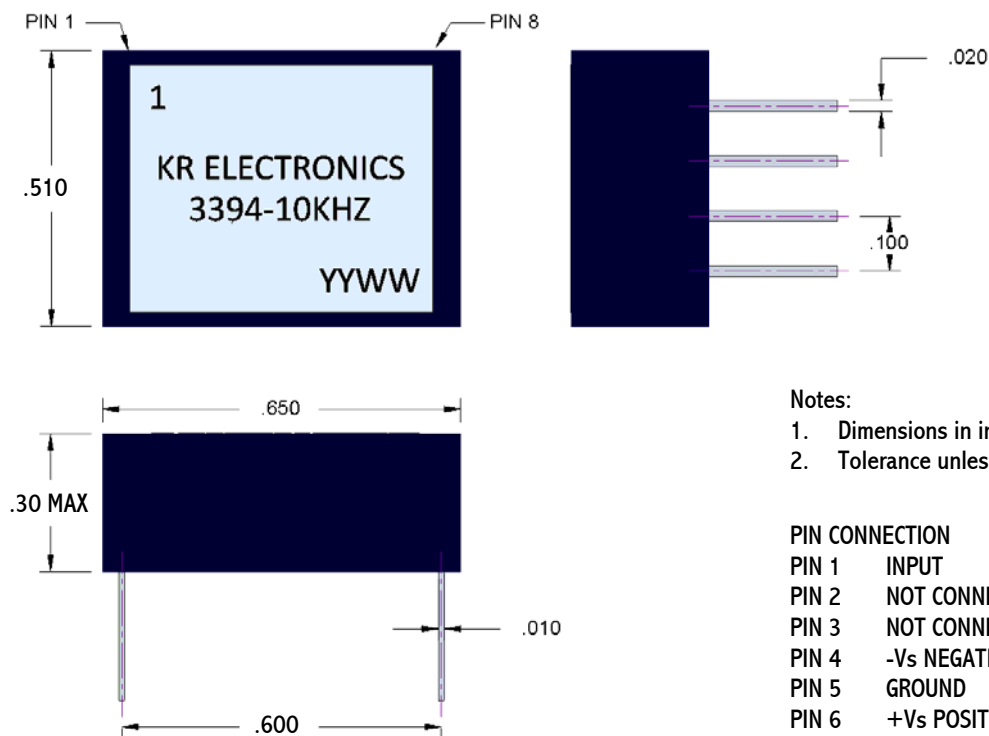
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KR Electronics 3394-10KHZ

Specifications

Parameter	Specification	Notes
Filter type	Active Lowpass	4 Pole Butterworth Response
Gain at 10 Hz	0 ± 0.1 dB	
Cutoff Frequency (-3 dB)	10 KHz ±2%	
Stopband Attenuation Rate	24 dB/octave	
Supply Voltage (Vs)	±15 Vdc	±5 to ±18 Vdc
Supply Current	5 mA max	
Input Impedance	10 KΩ min	
Input Voltage	±10 Vpeak	±Vs max safe voltage
Output Impedance	1 Ω	
Output Offset Voltage	±10 mV max	
Temperature	0° to +70°C Operating -25° to +85°C Storage	

Physical Dimensions



Notes:

1. Dimensions in inches
2. Tolerance unless noted ±0.015"

PIN CONNECTION

PIN 1	INPUT
PIN 2	NOT CONNECTED
PIN 3	NOT CONNECTED
PIN 4	-Vs NEGATIVE SUPPLY VOLTAGE
PIN 5	GROUND
PIN 6	+Vs POSITIVE SUPPLY VOLTAGE
PIN 7	NOT CONNECTED
PIN 8	OUTPUT