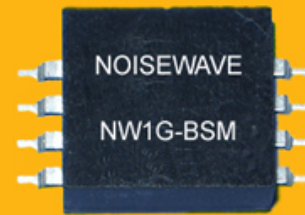




NW-B SERIES

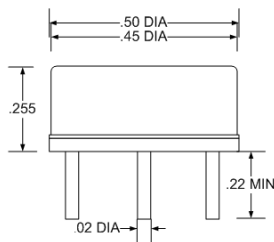


Specifications:

Operating temperature:	0°C to +70°C (surface mount) -55°C to 85°C (drop-in)
Temperature coefficient:	0.01 dB/°C
Storage Temperature:	-65 to +150 °C
Output:	White Gaussian noise
Minimum power:	(-143 dBm/Hz) 31 dB ENR (-123 dBm/Hz) 51 dB ENR (-109 dBm/Hz) 65 dB ENR
Crest factor:	5:1
Supply current:	0.2 to 5 mA 31 dB ENR 10 to 25 mA 51 dB ENR 20 to 30 mA 65 dB ENR
Packaging:	Drop-in or surface mount
Input Voltage:	+12V, +15V or +28V
Supply sensitivity:	0.1 dB/%ΔV
Absolute maximum input voltage:	+40V for +28V models +30V for +15V models +24V for +12V models

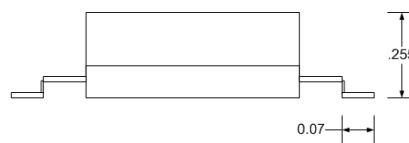
Specifications subject to change without notice.

NW-B TO8
Dimensions (inches)

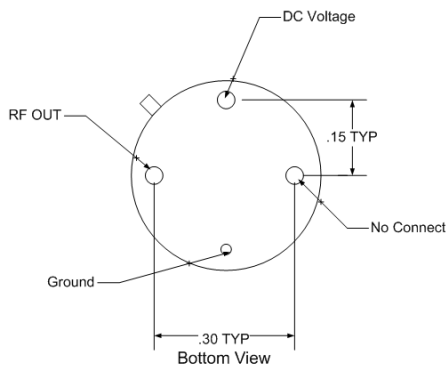


Side View

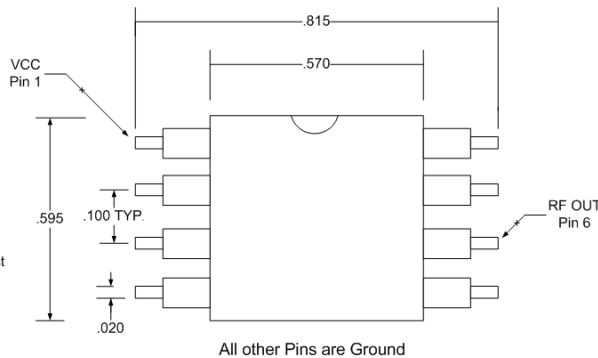
NW-B SM
Dimensions (inches)



Side View



Bottom View

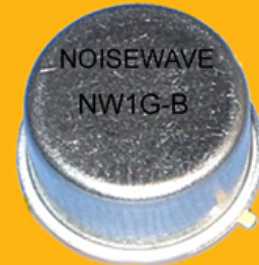
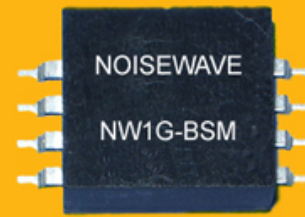


Top View

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NW-B SERIES



Applications for these modules include built in test equipment, dithering for increased dynamic range of A/D converters, and as an economical source for bit error rate testing.

The unit comes in an industry standard package and is available in either TO-8 or SM pin packages. Utilizing small internal parts count the unit is economically priced and delivery is typically from stock.

	MODEL +15VDC	MODEL +28VDC	FREQUENCY RANGE	FLATNESS (dB)	ENR(dB)	RL	I(max) (mA)	
	NW5M-B/12	NW5M-B/15	NW5M-B	200KHz—500MHz	+/- 0.50	31	50	10
	NW1G-B/12	NW1G-B/15	NW1G-B	200KHz—1 GHz	+/- 1.00	31	50	10
	NW2G-B/12	NW2G-B/15	NW2G-B	200KHz—2 GHz	+/- 1.5	31	50	10
	NW3G-B/12	NW3G-B/15	NW3G-B	200KHz—3 GHz	+/- 1.5	31	50	10
	NW4G-B/12	NW4G-B/15	NW4G-B	200KHz—4 GHz	+/- 2.0*	31	50	10
	NW5G-B/12	NW5G-B/15	NW5G-B	200KHz—5 GHz	+/- 2.5*	31	50	10
	NW5M-AB/12	NW5M-AB/15	NW5M-AB	200KHz—500 MHz	+/- 2.0	51	50	25
	NW1G-AB/12	NW1G-AB/15	NW1G-AB	200KHz—1 GHz	+/- 2.0	51	50	25
	NW2G-AB/12	NW2G-AB/15	NW2G-AB	200KHz—2 GHz	+/- 2.0	51	50	25
	NW3G-AB/12	NW3G-AB/15	NW3G-AB	200KHz—3 GHz	+/- 2.0	51	50	25
	NW5M-HAB/12	NW5M-HAB/15	NW5M-HAB	5 MHz—500 MHz	+/- 2.0	65	50	30
	NW1G-HAB/12	NW1G-HAB/15	NW1G-HAB	5 MHz—1 GHz	+/- 2.0	65	50	30

NOTE:

Add SM for surface mount.
Otherwise TO-8 is standard

* Flatness is +/- 4.0 for SM Series

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REV: A