DIP NOISE MODULES

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 DIP package and is available in either 14 or 24 pin packages. Utilizing small internal parts count the unit is economically priced and delivery is typically from stock.

Specifications:
+15 Vdc (standard)
Internal Filtering to limit Bandwidth
Operating Temperature: -55ºC to +125ºC
Storage Temperature: -65ºC to +150ºC
Temperature Coefficient: 0.025dB/°C typical
Crest factor: 5:1, > 1 GHz models

MODEL	FREQUENCY RANGE	OUTPUT LEVEL	FLATNESS (dB)	dBm/Hz (typ)	LOAD IMPEDANCE (Ω)	I (mA)
NW100K-D	100 Hz – 100 KHz	0.15 Vrms	+/- 0.75 max	-70	2200	50 max
NW5M-D	500 Hz – 5 MHz	0.15 Vrms	+/- 0.75 max	-87	1000	50 max
NW100M-D	1 MHz - 100 MHz	+5 dBm	+/- 0.75 max	-75	50	100 max
NW300M-D	10 MHz - 300 MHz	0 dBm	+/- 1.00 max	-85	50	100 max
NW500M-D	10 MHz - 500 MHz	0 dBm	+/- 1.00 max	-87	50	100 max
NW1G-D	10 MHz - 1 GHz	-5 dBm	+/- 1.00 max	-95	50	100 max
NW1.5G-D	10 MHz - 1.5 GHz	-5 dBm	+/- 2.00 max	-97	50	100 max
NW2G-D	10 MHz - 2 GHz	-5 dBm	+/- 2.00 max	-98	50	100 max
NW3G-D	10 MHz - 3 GHz	-5 dBm	+/- 2.00 max	-100	50	100 max
NW6G-D	100 MHz – 6 GHz	-20 dBm	+/- 2.50 max	-123	50	150 max

OPTIONS:
M: Military Version
T: TTL HIGH = on
TL: TTL LOW = on
14 Pin Version
+12Vdc supply voltage
Flatpack

NoiseWave offers additional standard models as well as custom designs. Contact the factory to discuss your specific requirements.

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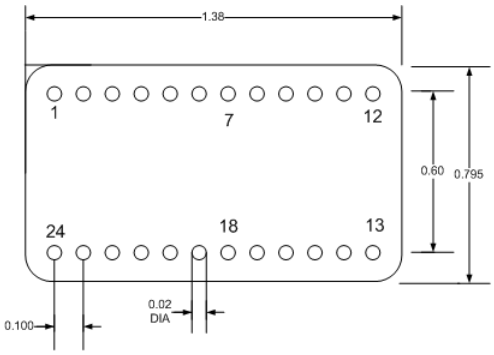
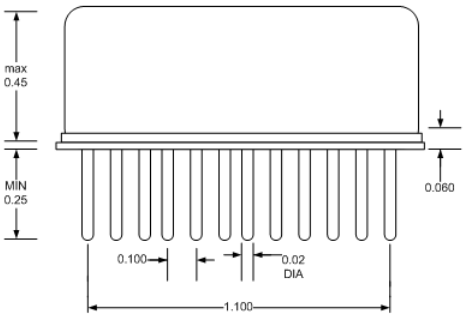
REV: B

DIP NOISE MODULES



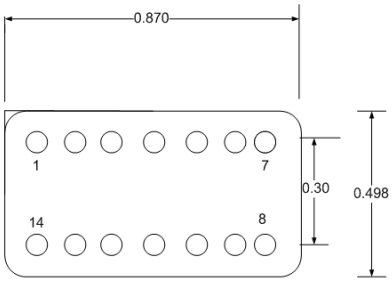


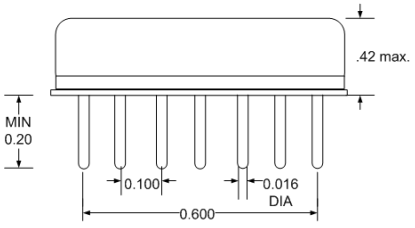
NW-D 24 Pin

(Dimensions in inches)

Pin 18 = +VCC
Pin 13 = Output
Pin 7 = TTL Option
All other Pins Ground

Square corner indicates Pin 1





NW-D 14 Pin

(Dimensions in inches)

Pin 14 = +VCC
Pin 8 = Output
Pin 7 = TTL Option
All other Pins Ground

Square corner indicates Pin 1

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REV: B