

NC520

Low Voltage Surface Mount Noise Source

200 kHz to 5 GHz



Noise Module for BITE

The NC520 low voltage (surface mount) noise module is an economic solution for built-in test requirements. It contains complete bias circuits and require no external components.

The surface mount package is suitable for mounting on microstrip. The modules produce extremely flat output power versus frequency characteristic that is insensitive to temperature and voltage variations.

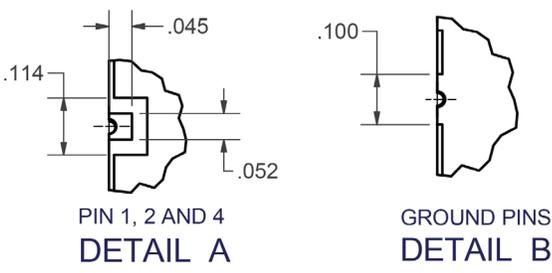
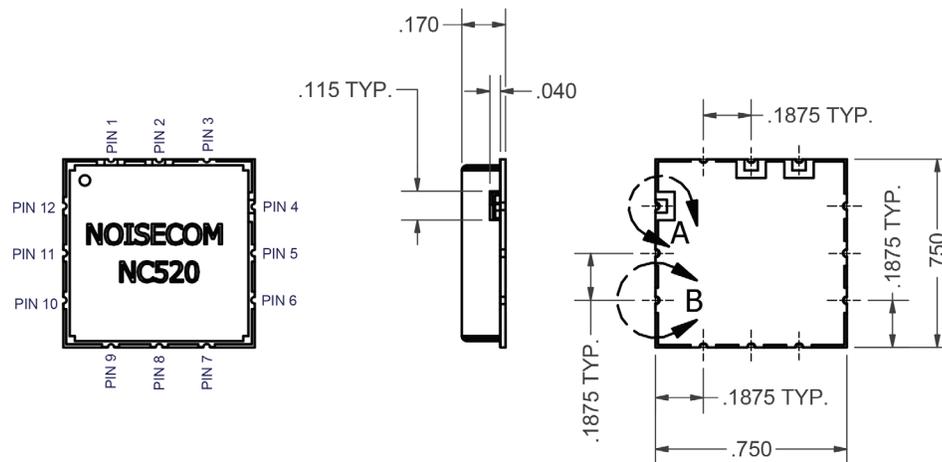
Typical applications for the NC520 module includes built-in test equipment (BITE), signal strength meters for cellular, PCS, CATV, calibrators, spectrum analyzers, radar warning receivers (RWR), and dither A/D quantization error. Noise Com can optimize frequency range and output levels for specific applications.

Applications

- Built-in test equipment (BITE)
- Signal strength meters for cellular, PCS and CATV
- Calibrators
- Spectrum analyzers
- Radar warning receivers (RWR)
- Dither A/D quantization error
- Gain-bandwidth product testing

Specifications

Output	White Gaussian noise
Minimum power output	25 dB ENR (-143 dBm/Hz) min
Crest factor	5:1
Flatness	+/-3dB
Supply current	30 mA (max)
Temperature coefficient	0.01 dB/°C
Supply sensitivity	0.1 dB/% ΔV
Operating temperature	0° C to +70° C
Storage temperature	-65° to +150° C
Packaging	Surface mount
Power	+5 V
TTL	On/Off control
RoHS	Compliant



PIN	DESCRIPTION
1	VCC
2	TTL
3	GROUND
4	OUTPUT
5	GROUND
6	GROUND
7	GROUND
8	GROUND
9	GROUND
10	GROUND
11	GROUND
12	GROUND

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