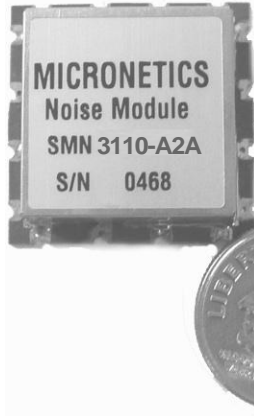


SMN3110

LOW BIAS VOLTAGE SURFACE MOUNT NOISE SOURCE

100 kHz TO 3.0 GHz



Works with
3 Volt
and
5 Volt DC
Supply

DESCRIPTION

The SMN3110 noise modules are ideal for applications for systems that only have low DC bias voltages available. Traditionally, noise sources require high DC supplies such as +15 or even +28V. In addition, the SMN3110 features a built-in regulator to handle changes in the bias supply voltage without having an effect on the noise amplitude output.

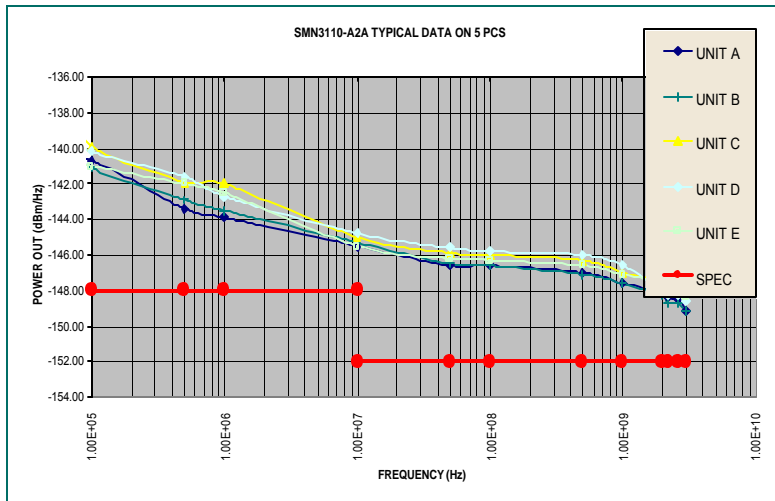
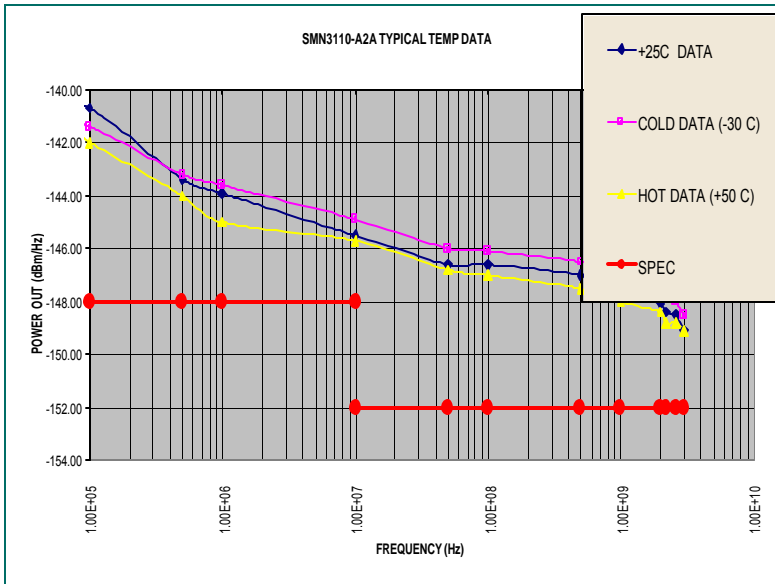
SUITABLE FOR HIGH VOLUME PRODUCTS:

The SMN3110 noise source being surface mount, having a small footprint and available on tape and reel make them ideal for production manufacturing. Traditionally packaged microwave noise sources have been large and costly rendering them unsuitable for all but large expensive systems. The benefits of having built-in test and calibration can now be brought to mass produced products so they too can realize the benefits of an onboard noise source.

SPECIFICATIONS

- Frequency: 100 kHz to 10 MHz
- ENR: 26 dB min
- Frequency: 10 MHz to 3.0 GHz
- ENR: 22 dB min
- ENR Variation: 0.04 dB/C Typical
- Impedance: 50 ohms
- Bias Voltage: +2.8 to +5.5 V (internally regulated)
- Current: +15 mA max
- Shutdown Input: Shutdown of device: 0 - 0.75 V
- Device Active: 2.8 - 5.5 V (internal pull up)
- Operating Temp: -30 to 85°C
- Storage Temp: -40 to +125°C

SMN3110 SPECTRAL DATA



SMN3110

LOW BIAS VOLTAGE SURFACE MOUNT NOISE SOURCE

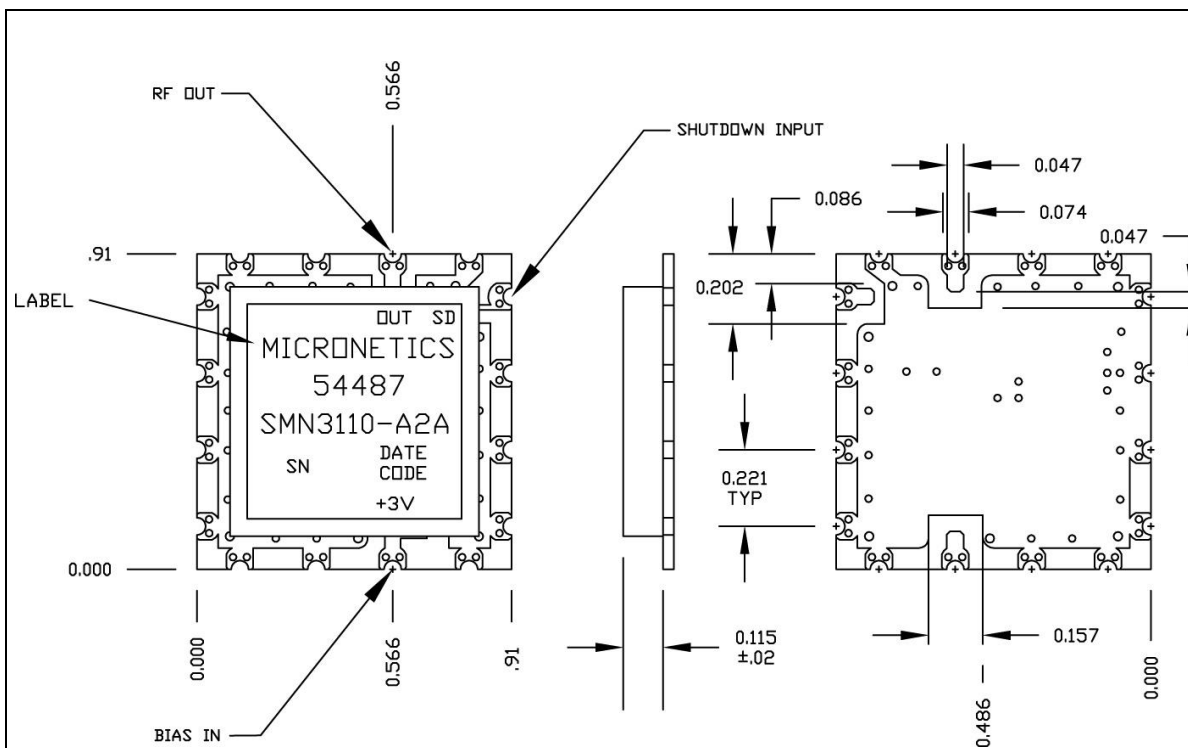
100 kHz TO 3.0 GHz

How To ORDER

Model # SMN3110-A2A

Indicate Bulk or Tape and Reel when ordering

PACKAGE OUTLINE DRAWING



MICRONETICS
NOISE PRODUCTS