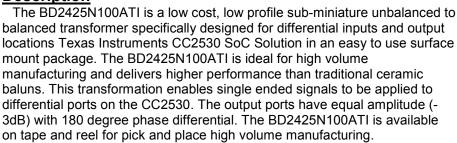






Description

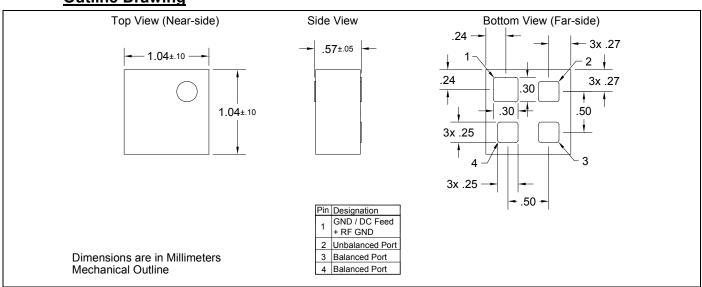




| Detailed Electrical Specifications: Specifications subject to change without notice. | | | | | |
|---------------------------------------------------------------------------------------------|----------------------------|-------------|---------|------|-------|
| Features: | | ROOM (25°C) | | | |
| • 2400 – 2500 MHz | Parameter | Min. | Тур. | Max | Unit |
| Matched to TI CC2530 SoC0.57mm Height Profile | Frequency | 2300 | | 2600 | MHz |
| Low Insertion Loss | Unbalanced Port Impedance* | | 50 | | Ω |
| Surface Mountable | Balanced Port Impedance* | | Matched | | Ω |
| Tape & Reel | Return Loss* | 17.3 | 23.6 | | dB |
| Non-conductive Top SurfaceRoHS Compliant | Insertion Loss** | | 0.68 | 0.84 | dB |
| Zigbee, RF4CE | Power Handling | | | 1.0 | Watts |
| Halogen Free | | | | | |
| | Operating Temperature | -55 | | +85 | ℃ |

^{*}Specification based on performance of unit properly installed on microstrip printed circuit boards with 50 Ω nominal impedance.

Outline Drawing





^{**} Insertion Loss stated at room temperature (Insertion Loss is approximately 0.1dB higher at +85°C



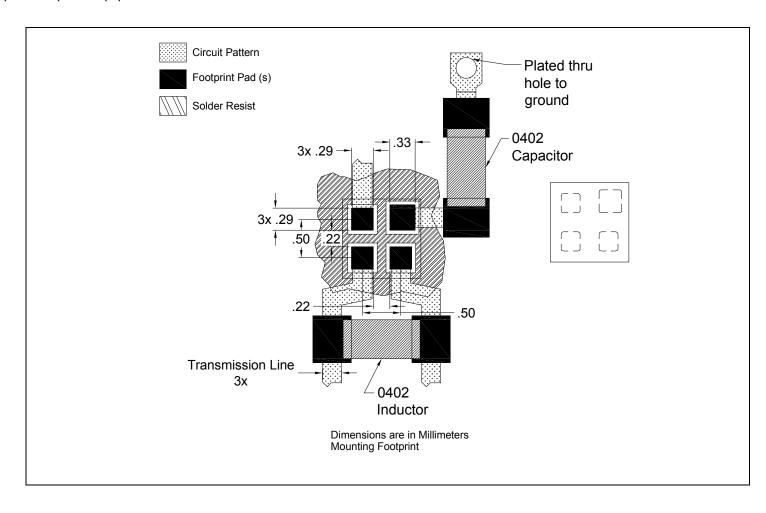


Mounting Configuration:

In order for Xinger surface mount components to work optimally, the proper impedance transmission lines must be used to connect to the RF ports. If this condition is not satisfied, insertion loss, Isolation and VSWR may not meet published specifications.

All of the Xinger components are constructed from organic PTFE based composites which possess excellent electrical and mechanical stability. Xinger components are compliant to a variety of ROHS and Green standards and ready for Pb-free soldering processes. Pads are Gold plated with a Nickel barrier.

An example of the PCB footprint used in the testing of these parts is shown below. In specific designs, the transmission line widths need to be adjusted to the unique dielectric coefficients and thicknesses as well as varying pick and place equipment tolerances.





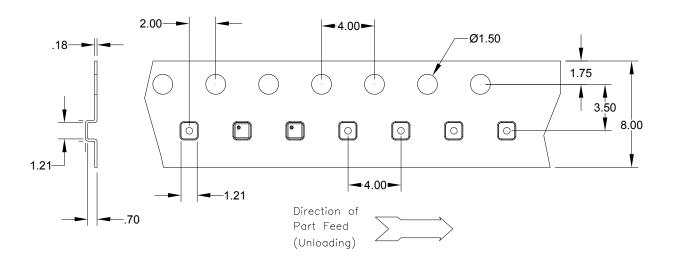
Visit us at www.Anaren.com

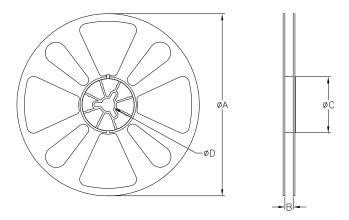
USA/Canada: (315) 432-8909 Toll Free: (800) 411-6596 Europe: +44 2392-232392 Asia: +86 512-62749282



Packaging and Ordering Information

Parts are available in reel and are packaged per EIA 481-2. Parts are oriented in tape and reel as shown below. Minimum order quantities are 4000 per reel. See Model Numbers below for further ordering information.





| TABLE 1 | | | | | | | |
|---------------|--------------------|--------|--|--|--|--|--|
| QUANTITY/REEL | REEL DIMENSIONS mm | | | | | | |
| | ØΑ | 177.80 | | | | | |
| 4000 | В | 8.00 | | | | | |
| 1000 | ФC | 50.80 | | | | | |
| | ØD | 13.00 | | | | | |



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