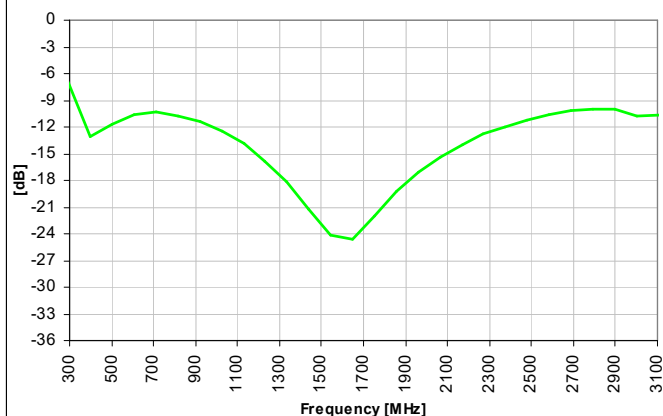
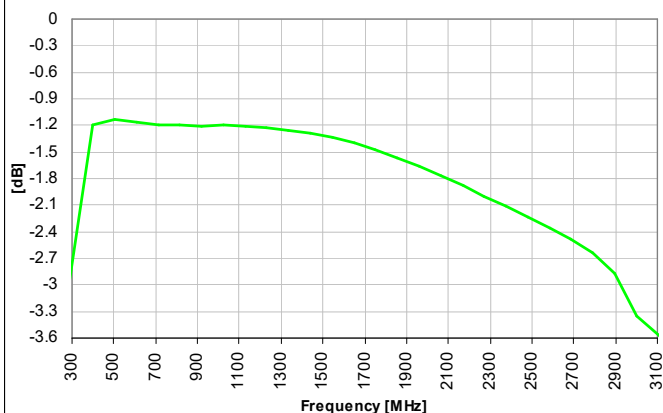


Typical Performance: 300 MHz. to 3100 MHz. with an external 10 pF capacitor on pin 2

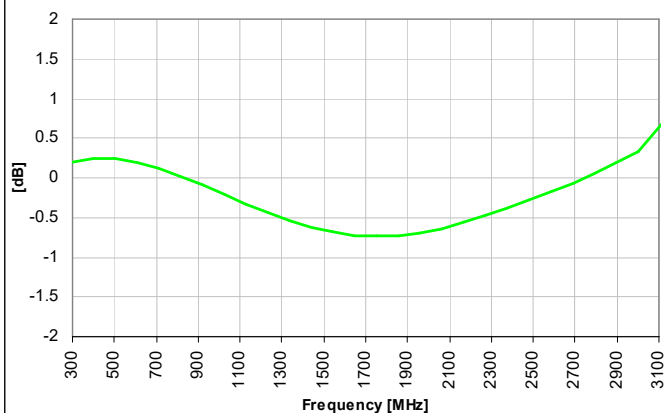
Return Loss - Input



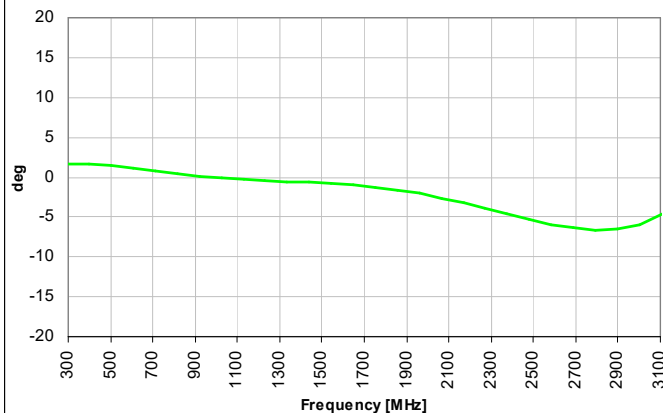
Insertion Loss



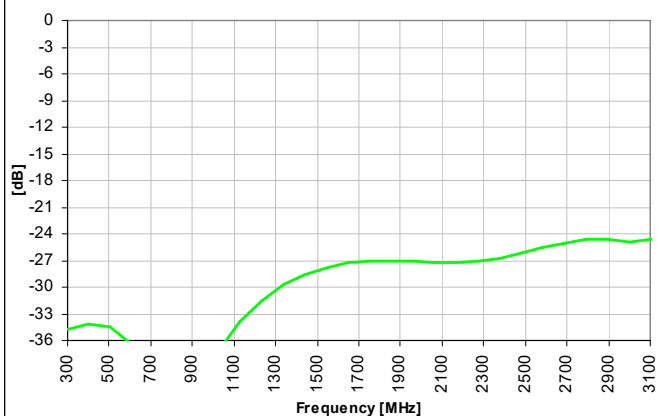
Amplitude Balance



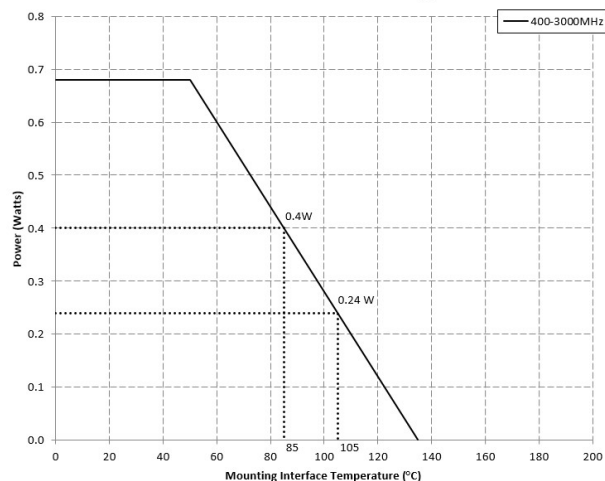
Phase Balance



CMRR



B0430J50100AHF Power Derating Curve



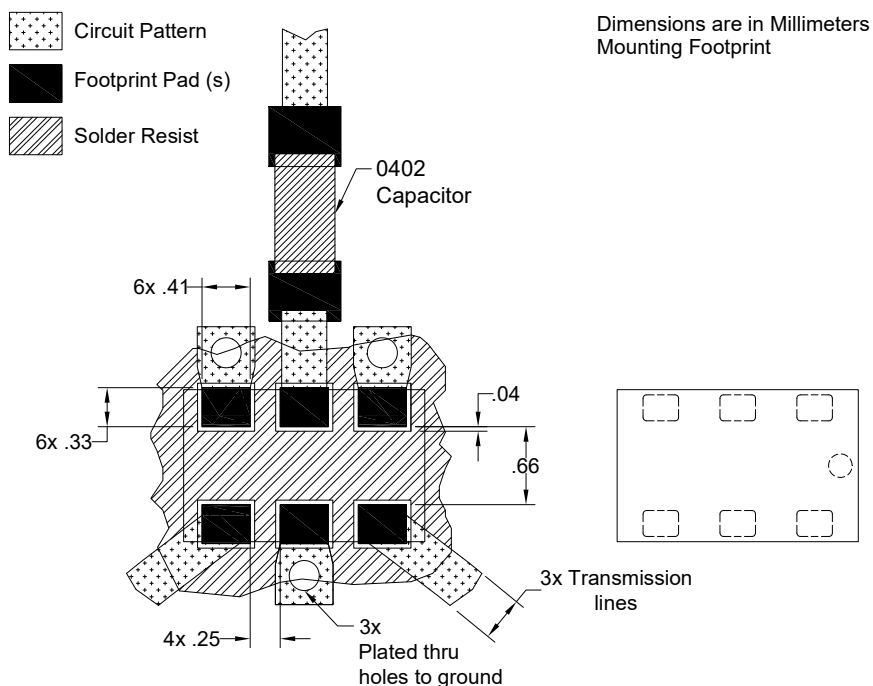
Mounting Configuration:

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.

This component requires a 10 pF capacitor to be mounted in front of the unbalanced port (Pin 2) of the balun as shown in the drawing below for optimum performance. The capacitor should be placed as close as possible to the balun to minimize transmission line effects as shown in the suggested PCB footprint below.

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.



Packaging and Ordering Information

Parts are available in reel and are packaged per EIA 481-D. Parts are oriented in tape and reel as shown below. Minimum order quantities are 4000 per reel.

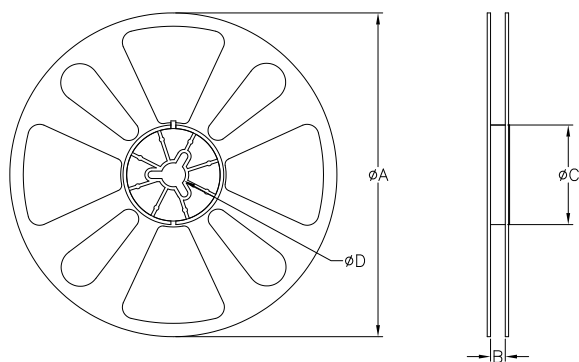
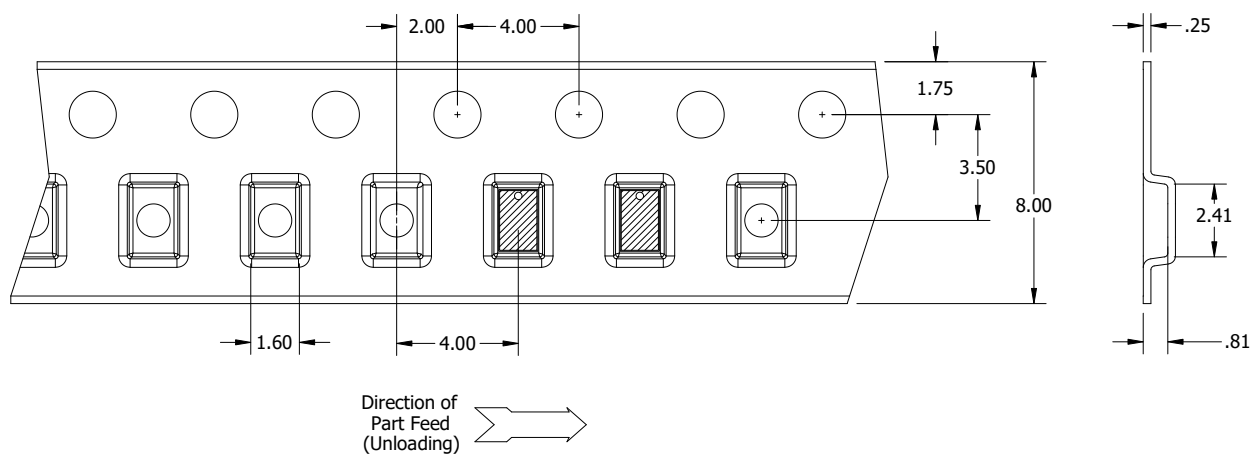


TABLE 1		
QUANTITY/REEL	REEL DIMENSIONS mm	
4000	ϕA	177.80
	B	8.00
	ϕC	50.80
	ϕD	13.00