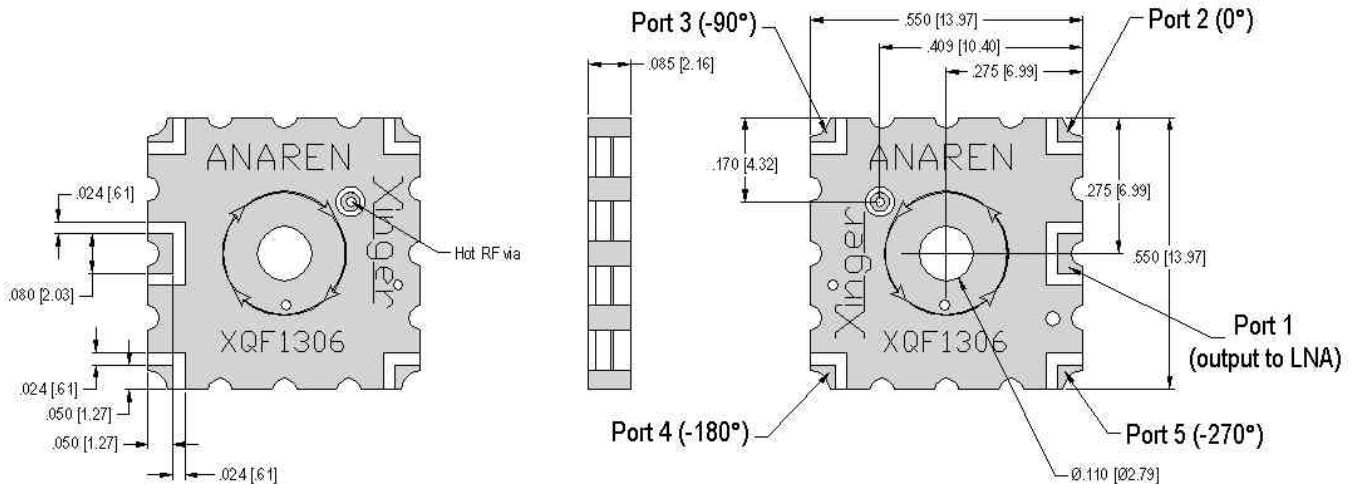
 <p style="text-align: center;">XQF1306</p>	<p>Features:</p> <ul style="list-style-type: none"> • XM and Sirius Satellite Radio Frequencies • Very Low Loss • Internally Terminated • Quadrifilar Feed Network • Isolation between Antenna Ports • Surface Mountable • Tape And Reel • Compact Package • 100% Tested 	<p>Description:</p> <p>The XQF1306 is a low profile, miniature quadrifilar feed network in an easy to use surface mount package designed for XM and Sirius Satellite radio receivers. The XQF1306 is designed to combine the signals from a helix antenna into one coherent output and is an ideal solution for any satellite radio receiver where electrical performance, reliability and ease of use is preferred. Parts have been run through rigorous qualification testing and units are 100% tested. They are manufactured using materials with x and y thermal expansion coefficients compatible with common substrates such as FR4, G-10 and polyamide.</p>
---	--	--

MECHANICAL OUTLINE:



Dimensions are in [mm]
Unless otherwise noted, all dimensions are +/-0.010" [+/- 0.254 mm]

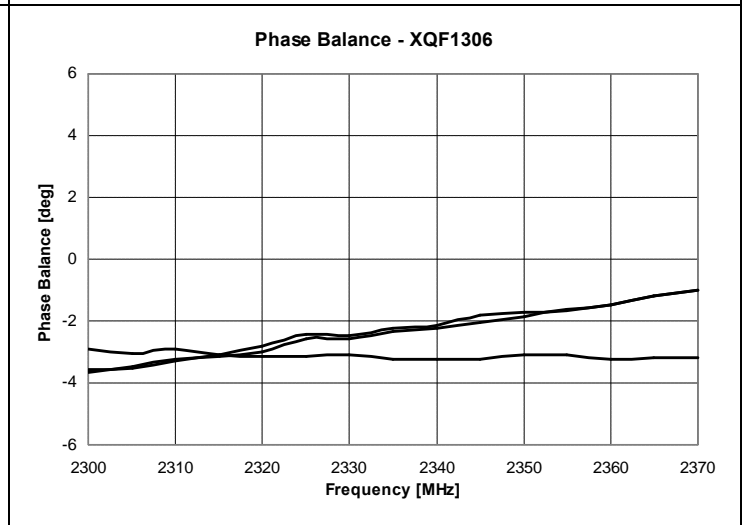
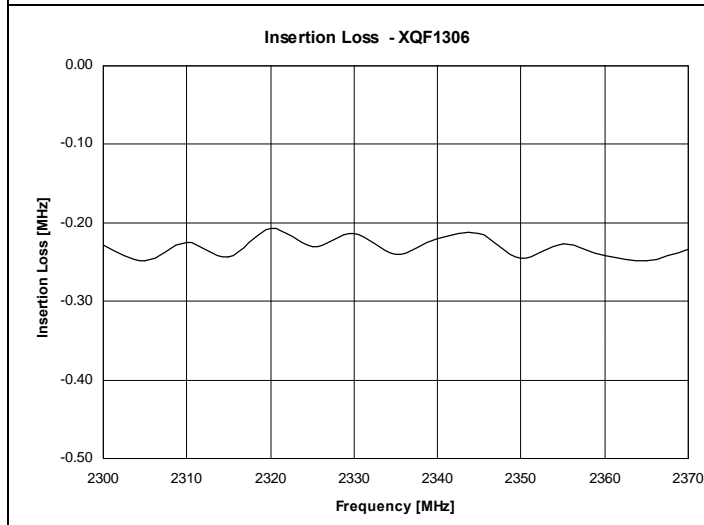
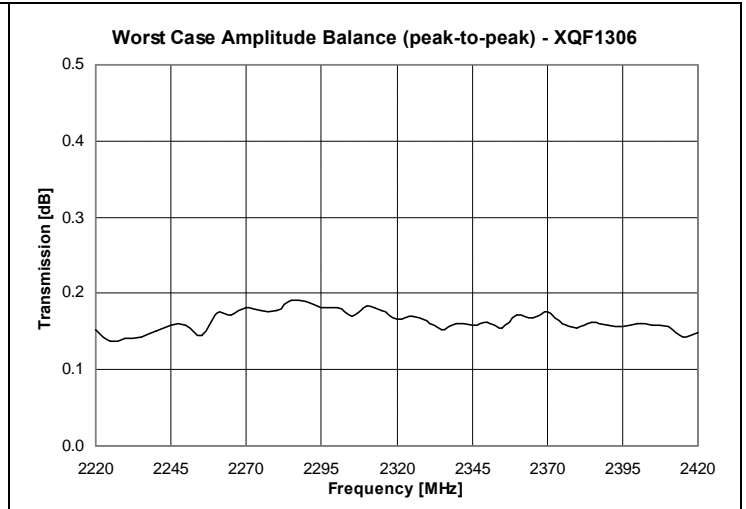
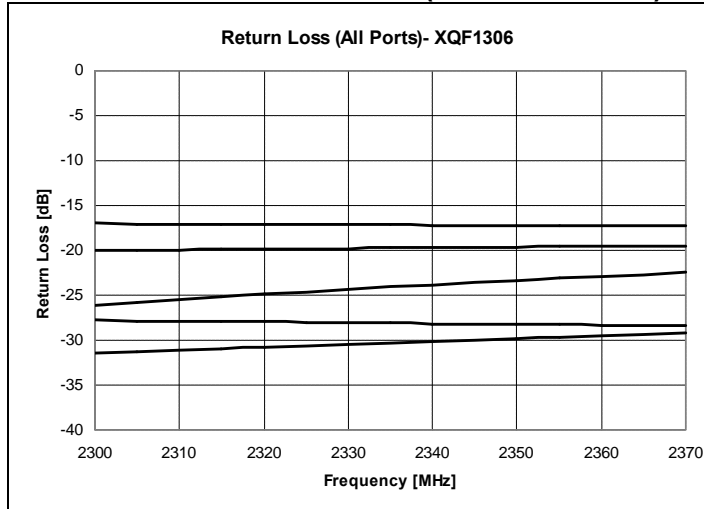
ELECTRICAL SPECIFICATIONS:

XQF1306		
	Specification	Units
Frequency	2.320 – 2.345	GHz
Insertion Loss	0.35	dB max.
Return Loss (All Ports)	15	dB min.
Amplitude Balance	+0.25	dB max.
Phase Balance	+/- 5	Degrees max.

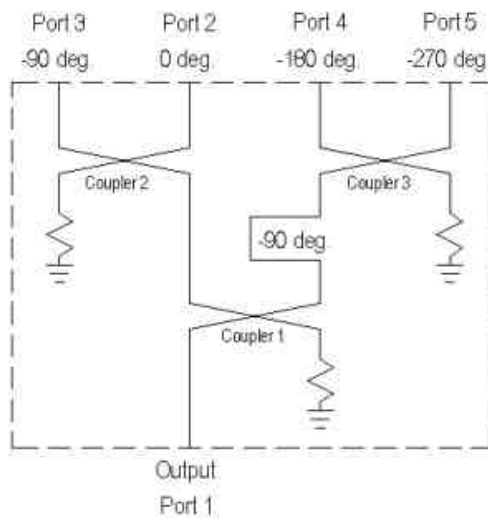
Specifications based on performance of units installed in an RF test fixture. 50 ohms nominal impedance. -55°C to +85°C operating temperature. Unit will operate to +125°C with minor degradation in Insertion Loss performance. Specifications subject to change without notice.



TYPICAL PERFORMANCE: (On Test Board)

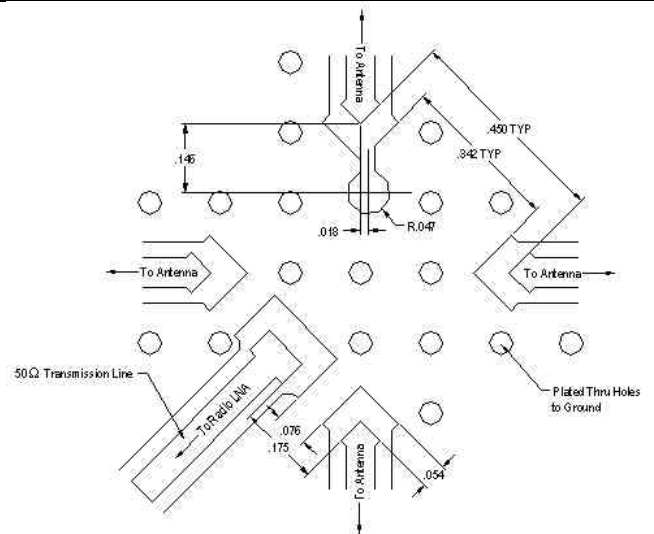


PIN CONFIGURATION



XQF1306 Schematic Drawing

MOUNTING FOOTPRINT



SUGGESTED FOOTPRINT (LEFT HAND CIRCULAR)

