

90° HYBRID COUPLER

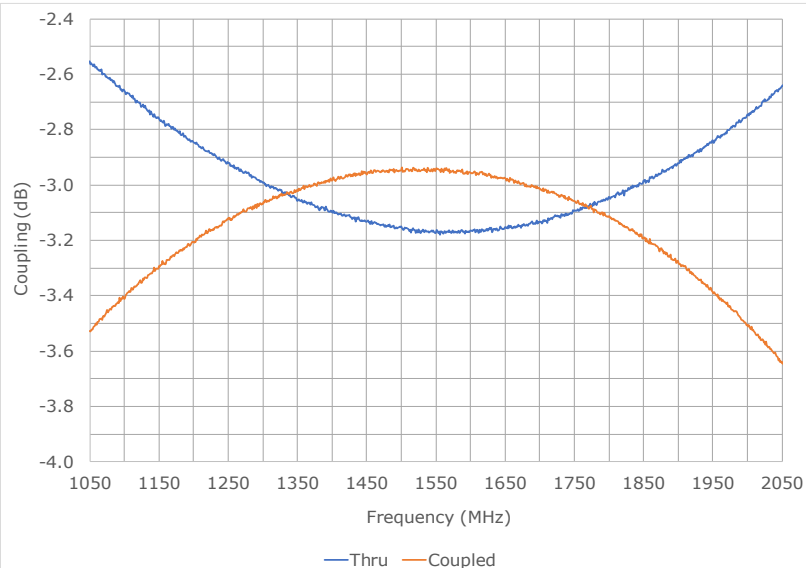
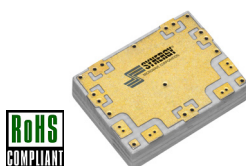
SYNSTRI[®] MODEL: MSQ1020G

WIDE BANDWIDTH

1050 - 2050 MHz

FEATURES:

- ▶ Synstrip Technology™
- ▶ Small Package Size, Surface Mount
- ▶ REL-PRO® Patented Technology
- ▶ Building Block For:
 - Power Amplifiers
 - Image Rejection Mixers
 - I & Q / SSB Modulators
 - Phase Shifters & More...



SPECIFICATIONS (Rev. A 07/14/26)

Frequency	1050 - 2050 MHz		
Insertion Loss (dB) *	Frequency (MHz)	Typ.	Max.
	1050 - 2050	0.15	0.3
	1200 - 1900	0.10	0.23
Amplitude Unbalance (dB)	Frequency (MHz)	Typ.	Min.
	1050 - 2050	1.0	1.5
	1200 - 1900	0.36	0.65
Phase Unbalance (Deg.)	Frequency (MHz)	Typ.	Min.
	1050 - 2050	1.0	4
	1200 - 1900	0.8	3

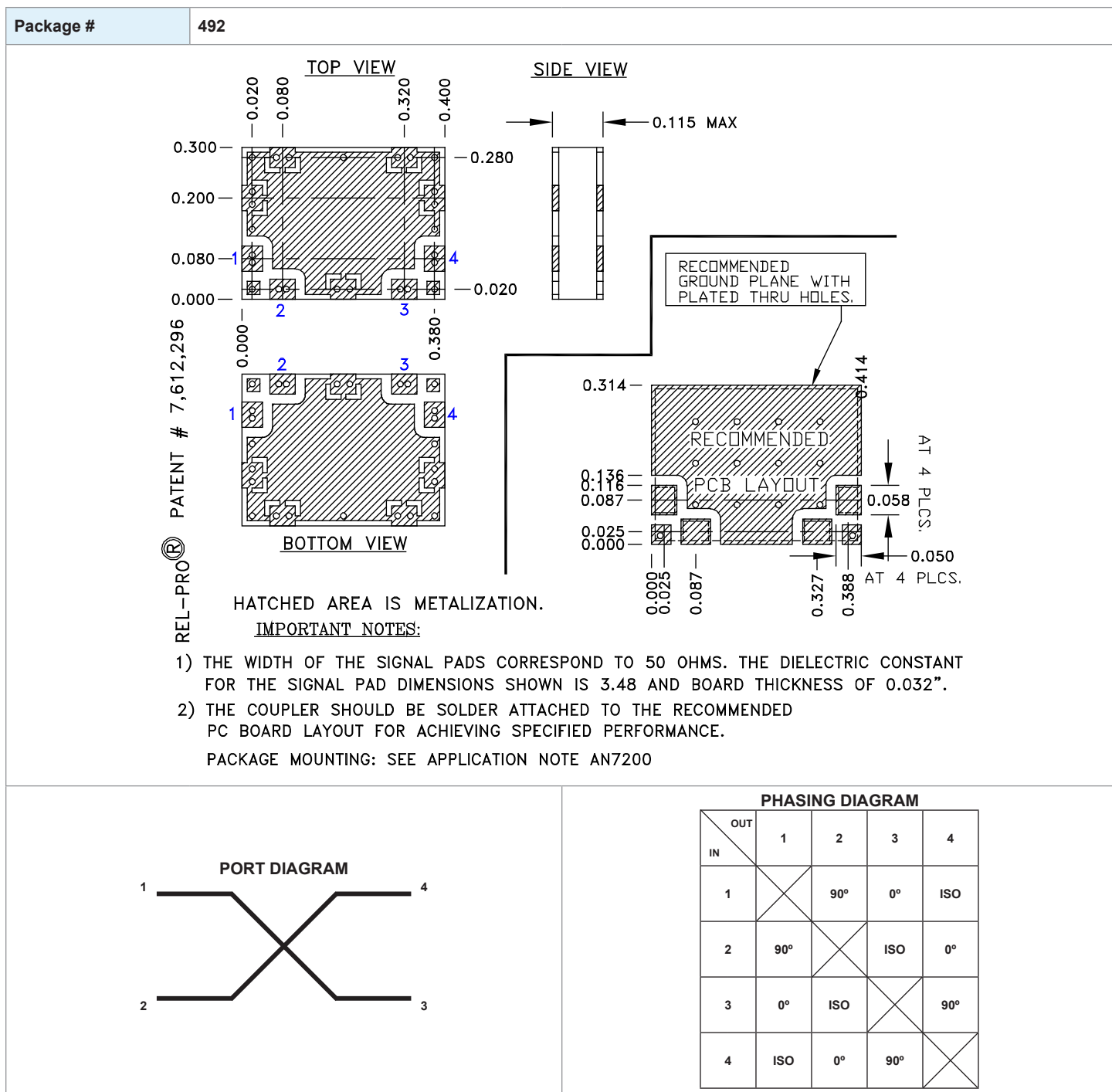
Isolation (dB)	Frequency (MHz)	Typ.	Min.
	1050 - 2050	21	15
	1200 - 1900	24	19
Power Rating	100 Watts Avg. (CW)		
Impedance	50 Ohms (Nom.)		
VSWR	Frequency (MHz)	Max.	
	1050 - 2050	1.5:1	
	1200 - 1900	1.4:1	
Operating Temperature Range	-55 to +85 °C		
* Is the average of the two coupling signals in excess of the 3 dB theoretical signal splitting			

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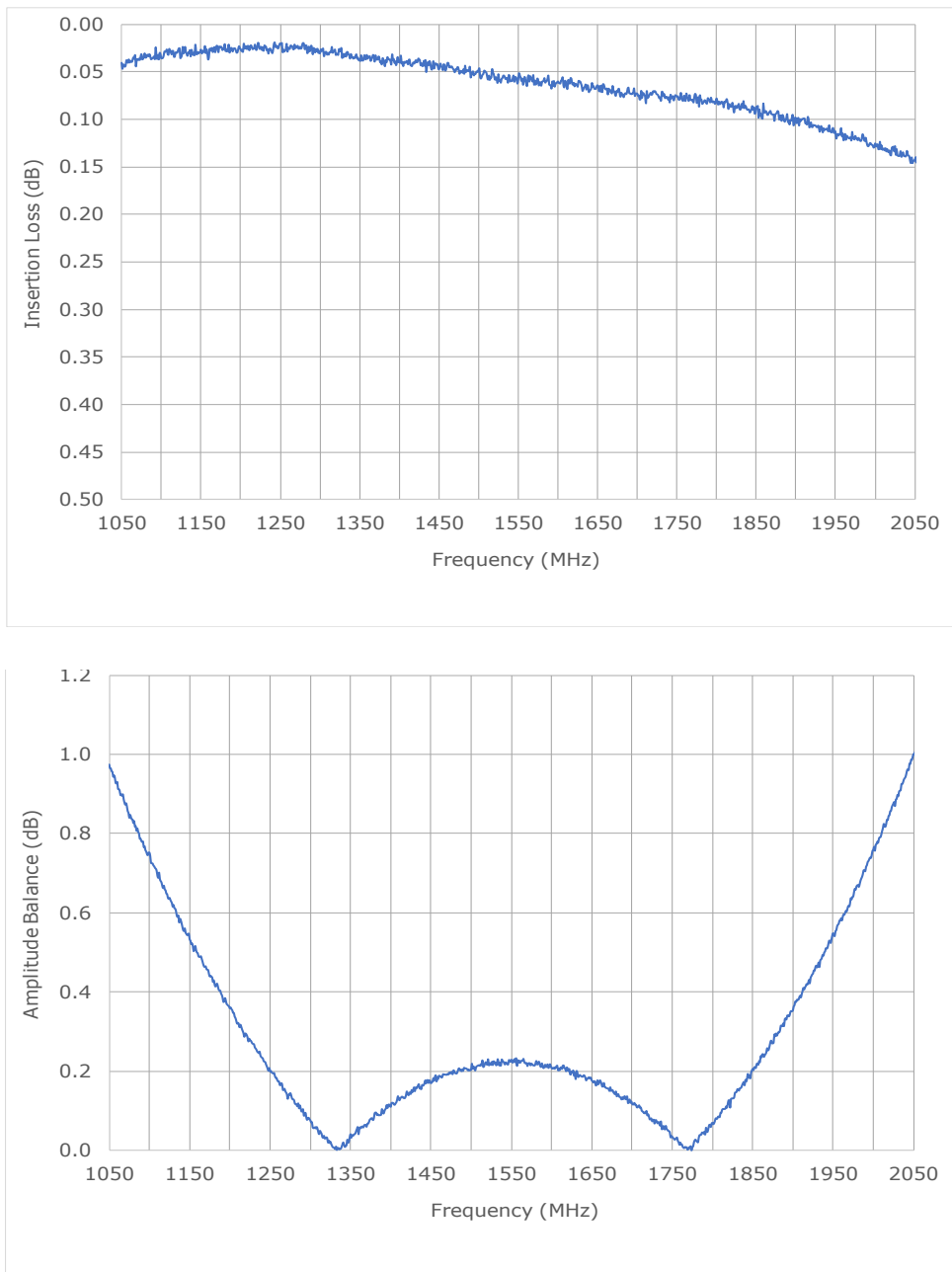
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SYNSTRIIP[®] MODEL: MSQ1020G

WIDE BANDWIDTH

1050 - 2050 MHz

Data @ 25°C



PERFORMANCE PLOTS

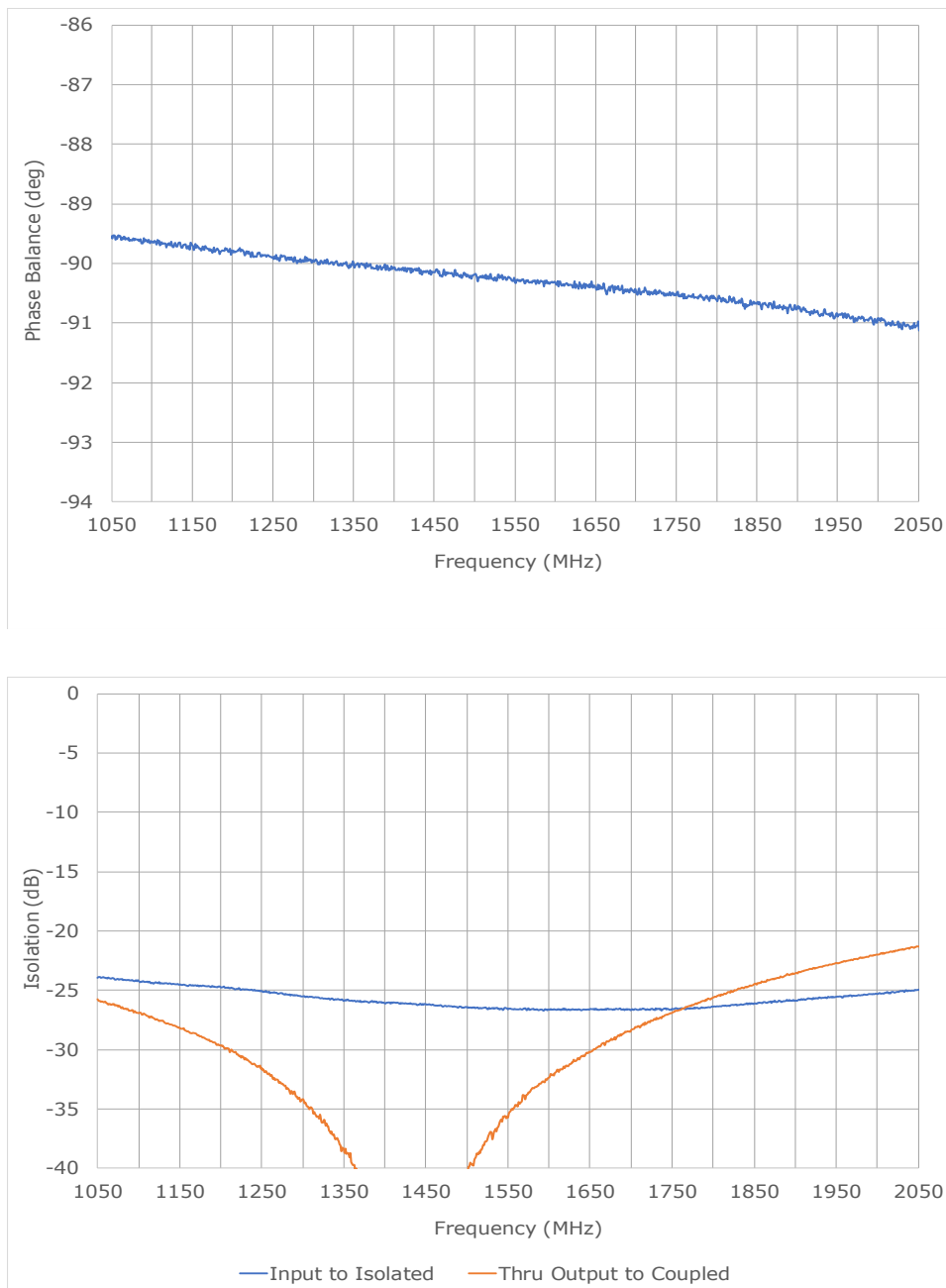
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WIDE BANDWIDTH

1050 - 2050 MHz

Data @ 25°C



PERFORMANCE PLOTS

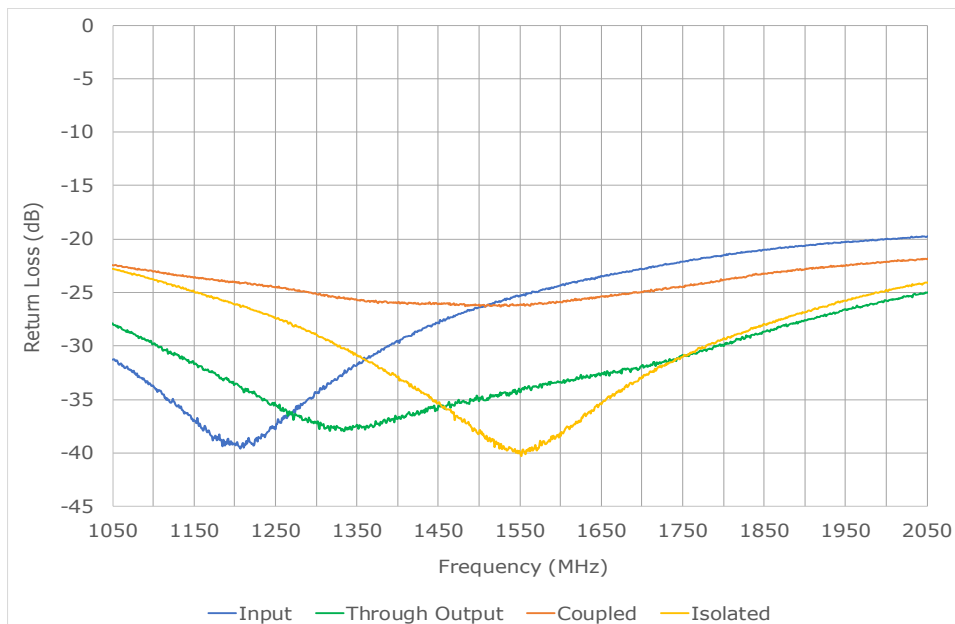
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PERFORMANCE PLOTS