

FREQUENCY DOUBLER

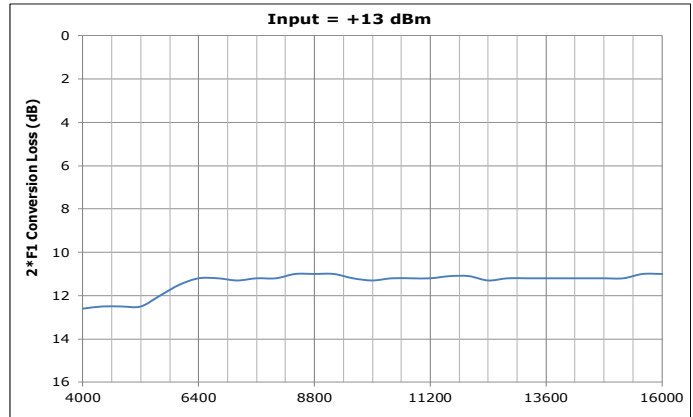
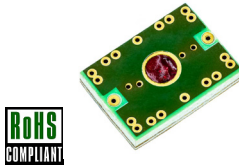
SURFACE MOUNT MODEL: XGS-4

WIDE BANDWIDTH - GALAXY SERIES

2 - 8 GHz

FEATURES:

- ▶ Multi-octave Bandwidth
- ▶ SYNSTRIP® Multi-layer Technology
- ▶ Compact Size, Surface Mount
- ▶ Lead Free REL-PRO® Technology
- ▶ Low Cost
- ▶ Good F1 and F3 Rejection



SPECIFICATIONS (Rev. A 10/30/19)

Frequency (GHz)	Input (F1)	2 - 8	
	Output (F2)	4 - 16	
Input Power (dBm)	Min.	Max.	
	+13	+16	
Conversion Loss (dB)	Typ.	Max.	
	11	14	
Fundamental Rejection (dB)		Typ.	Min.
	F1	18	12
3rd Harmonic Rejection (dB)	F3	≥ 20.0	
Output Impedance	50 Ohms (Nom.)		
Operating Temperature Range	-40 to +85 °C		

Package # 426

REL-PRO® PATENT NO. 7,612,296

THE HATCHED IS MASKING AREA (NO COPPER).

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TOLERANCES ON THREE DECIMAL PLACES = ± 0.015

RECOMMENDED PCB LAYOUT

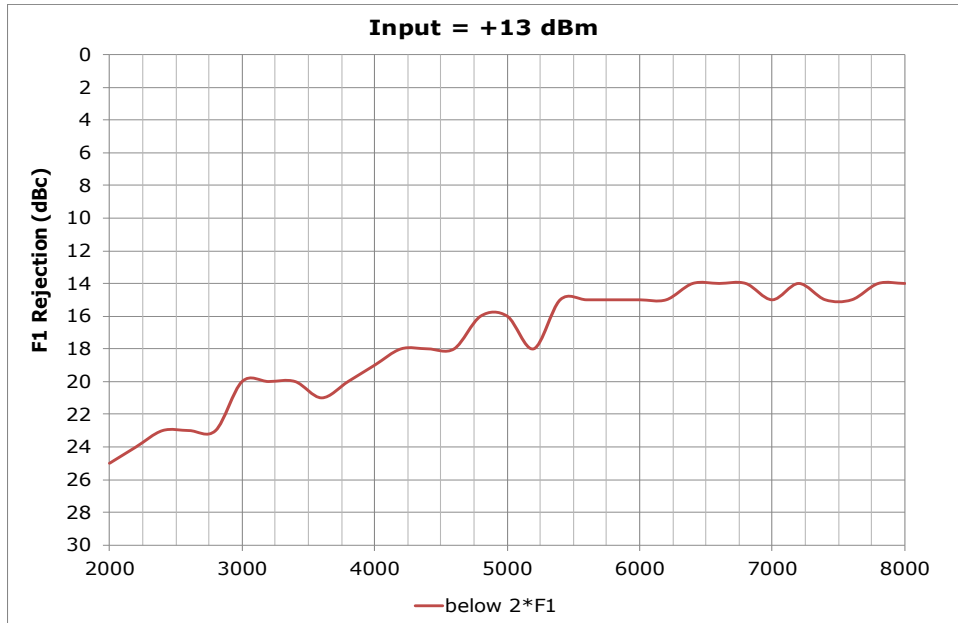
NOTE: all unmarked ports in "HATCHED" area to be grounded.
PACKAGE MOUNTING: SEE APPLICATION NOTES 7200&7700

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PERFORMANCE PLOTS