

UWDM-D3T22G

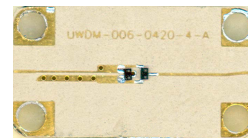
Ultra-wideband Frequency Doubler

Description

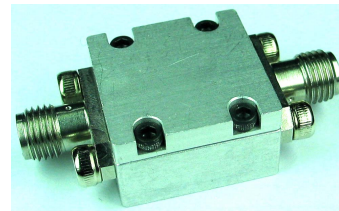
The UWDM-D3T22G is an ultra-wideband frequency doubler. This doubler utilizes our company's patented ultra-wideband balun, which enables low-cost implementation. This doubler produces output signals from 3 to 22 GHz with low conversion loss and high fundamental and 3rd harmonic suppression.

Features

- ✓ Low cost
- ✓ Input 1.5 to 11 GHz
- ✓ Output 3 to 22 GHz
- ✓ 10 dB Typical Conversion Loss
- ✓ 30 dB Typical Fundamental Suppression
- ✓ 45 dB Typical 3rd Harmonic Suppression
- ✓ Package options:
 - 01 Housing: 0.71" × 0.7" × 0.4"
 - 02 Carrier : 0.6" × 0.32" × 0.04"



carrier type

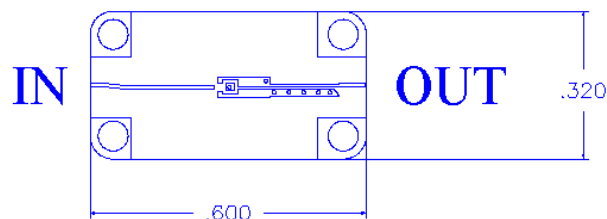


Housing type

Electrical Specifications

Parameter	Input (GHz)	Output (GHz)	Min	Typical	Max
Conversion Loss (dB)	1.5 ~ 11 (F)	3 ~ 22 (2F)		10	12
Fundamental Suppression (dBc)		1.5 ~ 11		30	
3rd Harmonic suppression (dBc)		4.5 ~ 33		45	
Input Level (dBm)				15	

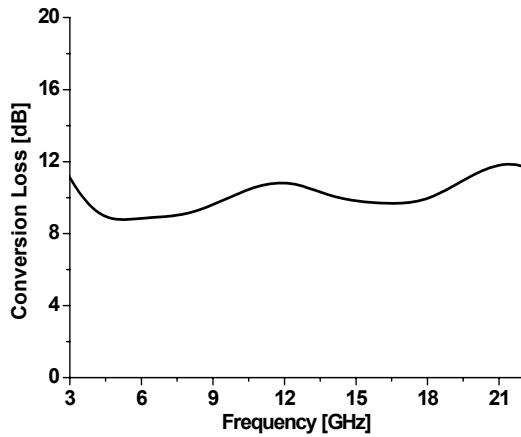
Dimension & Ports Description (for carrier type)



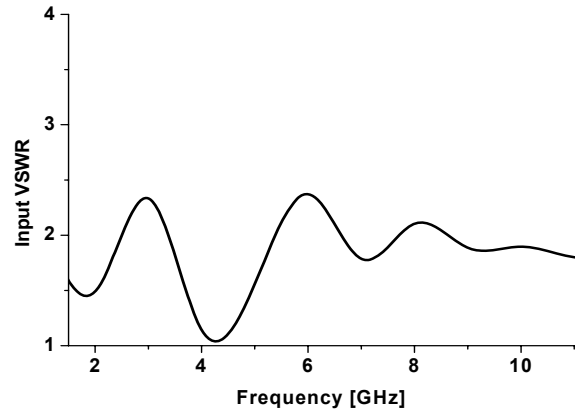
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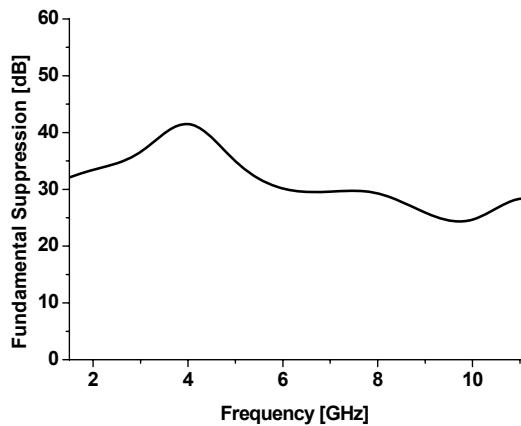
Conversion Loss



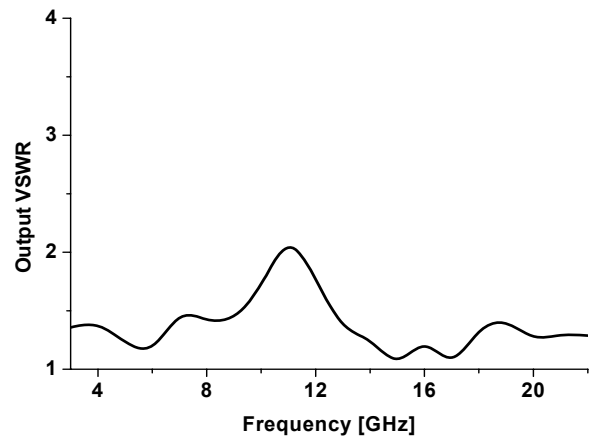
Input VSWR



Fundamental Freq. Suppression



Output VSWR



3rd Harmonic Suppression

