

UWDM-D4T20G

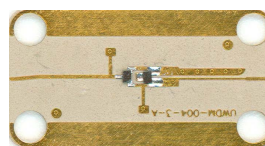
Ultra-wideband Frequency Doubler

Description

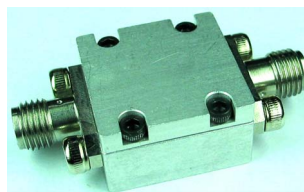
The UWDM-D4T20G is an ultra-wideband frequency doubler. This doubler utilizes our company's patented ultra-wideband balun, which enables low-cost implementation. This doubler produces output signals from 4 to 20 GHz with low conversion loss and high fundamental and 3rd harmonic suppression.

Features

- ✓ Low cost
- ✓ Input 2 to 10 GHz
- ✓ Output 4 to 20 GHz
- ✓ 10 dB Typical Conversion Loss
- ✓ 25 dB Typical Fundamental Suppression
- ✓ 35 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

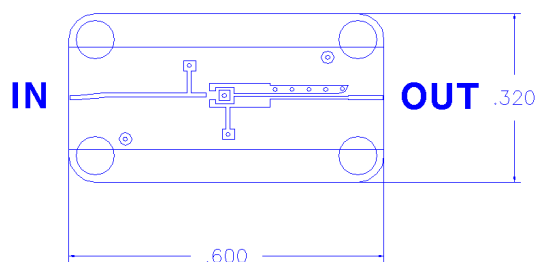


Housing type

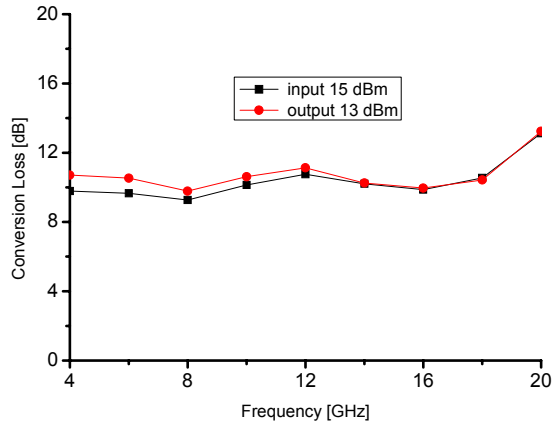
Electrical Specifications

Parameter	Input (GHz)	Output (GHz)	Min	Typical	Max
Conversion Loss (dB)	2 ~ 10 (F)	4 ~ 20 (2F)		10	
Fundamental Suppression (dBc)		2 ~ 10		25	
3rd Harmonic suppression (dBc)		6 ~ 30		35	
Input Level (dBm)				15	

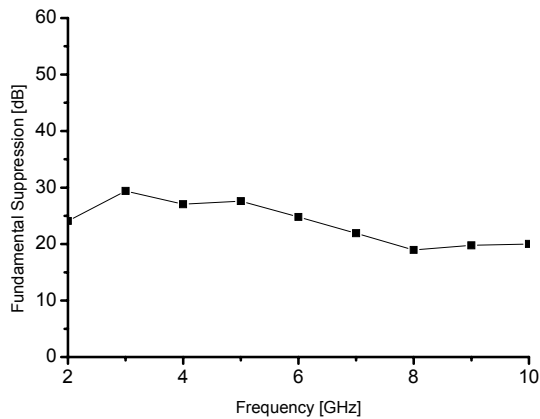
Dimension & Ports Description (for carrier type)



Conversion Loss



Fundamental Freq. Suppression



3rd Harmonic Suppression

