

D2010LZ1 Frequency Doubler

2.0 to 10.0 GHz



Absolute Maximum Ratings

Operating Temperature:	-55 °C to +125° C
Storage Temperature:	-65 °C to +150° C
Pk Power For Any Single Port	+23 dBm Peak @ +25°C
Peak Input Current @ +25°C	100 mA

Applications

Electronic Warfare	Wide Frequency Band
Point-to-Point Radio	VSAT Radios

Specifications @ +25°C

Electrical Specifications

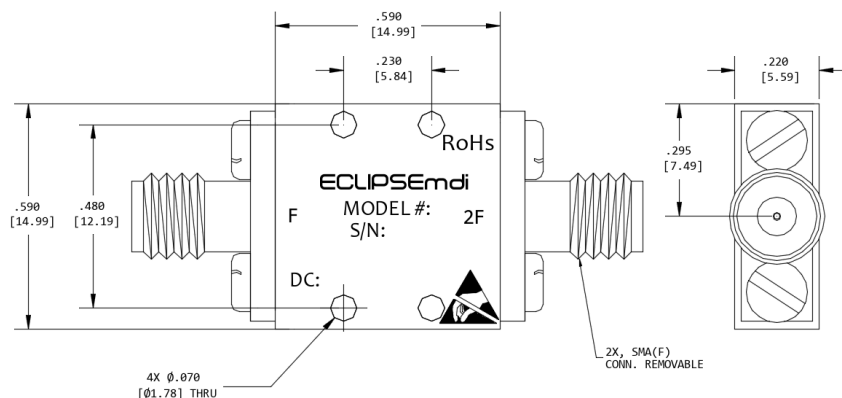
Parameters	Min.	Typical	Max.	Units	Conditions
Input Frequency Range	2.0		10.0	GHz	
Output Frequency Range	4.0		20.0	GHz	
Conversion Loss		10.5 9.5	12.0 11.0	dB dB	Input: 2-10 GHz Input: 3-9 GHz
Impedance		50		Ω	
Input Power (CW)		11		dBm	
Fundamental Isolation	25	30		dB	

NOTES:

1. Typical values are measured at +25°C and are not guaranteed.
2. Fundamental isolation is referenced to the input signal.

Outline Drawing

Coax Package Outline 'Z'



Product Export Classification
ECCN: EAR 99 (unless otherwise
specified) HTS: 8541.10.0060

