

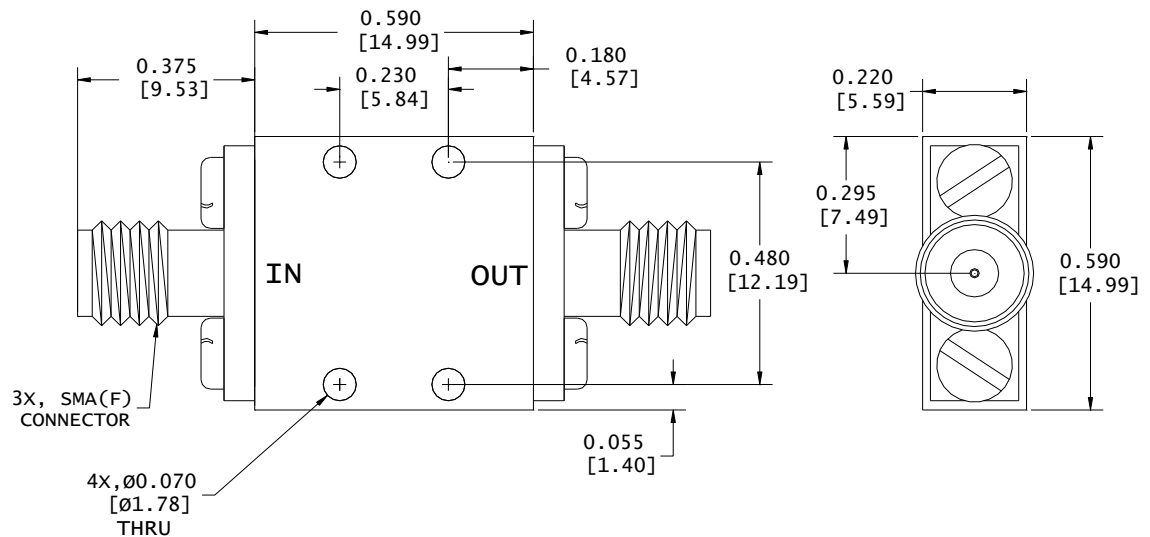
FREQUENCY DOUBLER

2.0 to 10.0 GHz

D2010LZ

ABSOLUTE MAXIMUM RATING:

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



Parameters	SPECIFICATION				UNITS
	MIN (dB)	TYPICAL (dB)	MAX (dB)		
INPUT FREQ	2.0		10.0		GHZ
OUTPUT FREQ	4.0		20.0		GHZ
CONVERSION LOSS 2.0 to 10.0 GHz 3.0 to 8.0 GHz		10.5 10.5	12.0 11.0		dB
INPUT POWER		+10	+13		dBm
FUNDAMENTAL ISOLATION	25	30			dB
THIRD HARMONIC SUPPRESSION	20	30			dBc

NOTES:

1. Typical values are measured at +25°C and are not guaranteed
2. Fundamental Isolation is referenced to the input signal
3. Third harmonic suppression is referenced to the output signal