

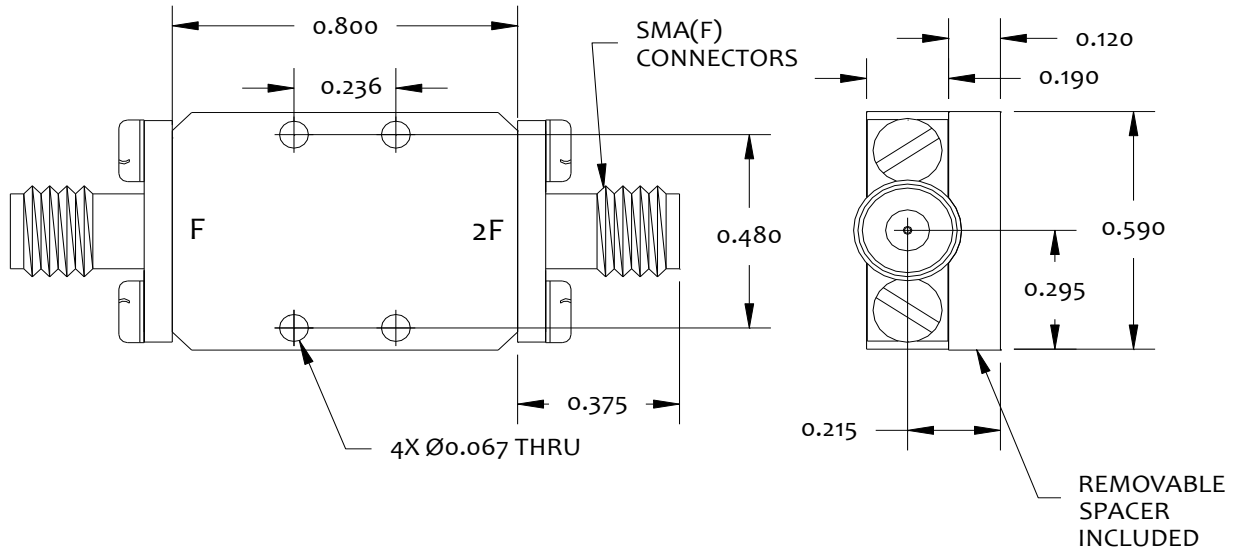
FREQUENCY DOUBLER

4.0 to 9.0 GHz

D4090LL1

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	4.0		9.0		GHZ
OUTPUT FREQ	8.0		18.0		GHZ
CONVERSION LOSS		10.0	12.0		dB
INPUT POWER		+10	+13		dBm
FUNDAMENTAL ISOLATION	23	30			dB
THIRD HARMONIC SUPPRESSION	23	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