

# DOUBLE BALANCE MIXER

0.01 to 1.5 GHz

## J0020HZ

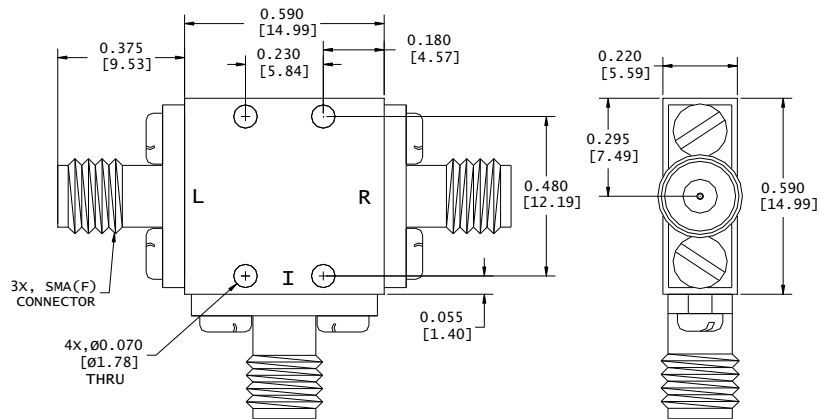
### PRODUCT FEATURE

- †Broadband Frequency Application
- †Excellent Conversion Loss
- †High Isolation
- †Frequency Converter Application

### ABSOLUTE MAXIMUM RATING:

Operating Temperature:  
Storage Temperature:  
Peak Input Power for any Single Port:  
Max RF Input Power:  
Peak Input Current @ 25°C:

-54°C to +100°C  
-65°C to +100°C  
+23 dBm Peak  
200mWCW@+25°C  
100 mA



Parameters	SPECIFICATION @25 °C				
	FREQ. (GHz)	MIN (dB)	TYPICAL (dB)	MAX (dB)	CONDITONS
CONVERSION LOSS					
RF INPUT	0.01 to1.5		7.0	8.5	IF=100MHz
LO INPUT	0.01 to1.5		8.0	9.0	IF=600MHz
IF OUTPUT	DC to 0.6				
VSWR	0.01 to1.5		2.5:1		
ISOLATION					
LO-RF	0.01 to1.5	30	40		
LO-IF	0.01 to1.5	26	35		
RF-IF	DC to 0.6	12	20		
1 dB Compression Point			+10 dBm		
LO Drive			+16dBm		
Third-Order Input Intercept Point			+19dBm		

### NOTES:

1. Measured in a 50-ohm system with nominal LO drive and downconverter application only, unless otherwise specified. The I-Port frequency range extends to DC for phase detection, pulse modulation, or attenuator applications. I-Port VSWR degrades from a 50-ohm system at lo IF frequencies.
2. Typical values are measured at +25°C and are not guaranteed