

DOUBLE BALANCE MIXER

0.5 to 2.0 GHz

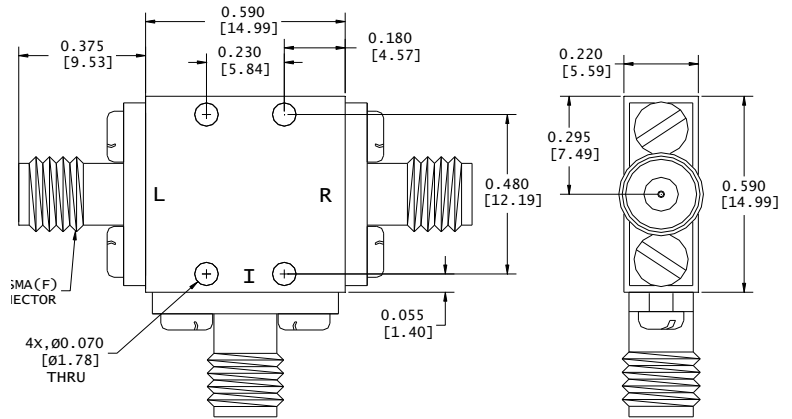
J0520HZ

PRODUCT FEATURE

- † High Isolation, 40 dB
- † Low cost, High Performance
- † +19 dBm LO Power
- † Miniature Z Package

ABSOLUTE MAXIMUM RATING:

Operating Temperature: -54°C to +100°C
 Storage Temperature: -65°C to +100°C
 Peak Input Power for any Single Port: +23 dBm Peak
 Max RF Input Power: 200mWCW@+25°C
 Peak Input Current @ 25°C: 100 mA



Parameters	SPECIFICATION				
	FREQ. (GHz)	MIN (dB)	TYPICAL (dB)	MAX (dB)	CONDITONS
CONVERSION LOSS					
RF INPUT	0.5 to 2.0		5.5	9.5	IF= 100MHz IF= 500MHz
LO INPUT	0.5 to 2.0		9.5	10.5	
IF OUTPUT	DC to 0.5				
VSWR	RF & LO IF		2.5:1 1.5:1		
ISOLATION					
LO-RF	0.5 to 2.0	32	40		
LO-IF		22	28		
RF-IF		25	35		
1 dB Compression Point			+10 dBm		
LO Drive			+16dBm		
Third-Order Input Intercept Point			+19 dBm		

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