

DOUBLE BALANCE MIXER

0.5 to 2.0 GHz

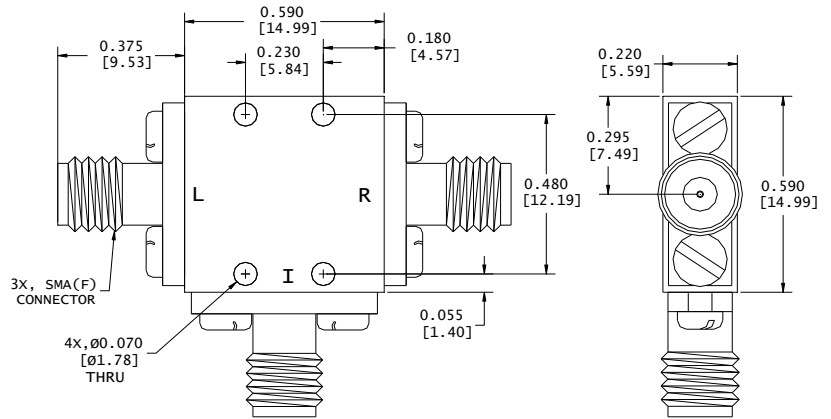
J0520MZ

PRODUCT FEATURE

- † High Isolation
- † Low cost, High Performance
- † +10 dBm LO Power
- † Miniature Z Package

ABSOLUTE MAXIMUM RATING:

Operating Temperature:	-54°C to +100°C
Storage Temperature:	-65°C to +150°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 @ 25 °C				
	FREQ. (GHz)	MIN	TYPICAL	MAX	CONDITIONS
CONVERSION LOSS					
RF INPUT	0.5 to 2.0		6.5dB	8.5dB	IF= 100MHz
LO INPUT	0.5 to 2.0		8.5dB	9.5dB	IF= 500MHz
IF OUTPUT	DC to 0.5				
VSWR	RF & LO		2.5:1		
	IF		2.0:1		
ISOLATION					
LO-RF	0.5 to 2.0	32dB	40dB		
LO-IF	0.5 to 2.0	20dB	24dB		
1 dB Compression Point			+4 dBm		
LO Drive		+10 dBm	+13 dBm		
Third-Order Input Intercept Point			+14 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