

DOUBLE BALANCE MIXER

2.0 to 8.0 GHz

J2080MB

PRODUCT FEATURE

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

ABSOLUTE MAXIMUM RATING:

Operating Temperature:	-54°C to +125°C
Storage Temperature:	-65°C to +150°C
Peak Input Power for any Single Port:	+23 dBm Peak
Peak Input Power for all Port:	+26 dBm Peak
Peak Input Current @ 25°C:	100 mA

Parameters	SPECIFICATION @ 25°C				
	FREQ. (GHz)	MIN (dB)	TYPICAL (dB)	MAX (dB)	CONDITONS
CONVERSION LOSS					
RF INPUT	2.0 to 8.0		5.5	7.0	IF=100MHz
LO INPUT	2.0 to 8.0		6.0	7.5	IF=1000MHz
IF OUTPUT	DC to 2.0		6.5	8.0	IF=2000MHz
VSWR	LO & IF RF		2.0:1 2.5:1		
ISOLATION					
LO-RF		25	35		LO=2.0 – 5.0 GHz LO=5.0 – 8.0 GHz
LO-IF		18	25		
RF-IF		25	38 20		
1 dB Compression Point			+14 dBm		
LO Drive		+9 dBm	+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

DOUBLE BALANCE MIXER

2.0 to 8.0 GHz

J2080MB

