

# IR, MIXER

5.83 to 8.43 GHz

# IR5090MF2-127

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 OUTPUT	5.9 to 8.5				
LO INPUT	5.83 to 8.43				
IF INPUT	0.7 ± .02		7.0	8.0	
VSWR	LO & IF RF		2.0		
ISOLATION					
LO-RF		20	30		
LO-IF		20	28		
INPUT IP <sub>3</sub>		20 dB			
1 dB Compression Point			+4 dBm		
LO Drive			+10 dBm		
IMAGE REJECTION		15 dB	18 dB		
OPERATING TEMP RANGE( °C)		-40		+85	

NOTES:

- Typical values are measured at +25°C and are not guaranteed

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