

# IQ, MIXER

7.0 to 13.0 GHz

# IQ7013MF2

**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	7.0 to 13.0		5.5	7.0	IF=70MHz
LO INPUT	7.0 to 13.0				
IF OUTPUT	DC to 0.5				
VSWR	LO & IF RF		2.5		
ISOLATION					
LO-RF		25	30		
LO-I/Q		22	30		
RF-I/Q			30		
1 dB Compression Point			+1dBm		
LO Drive			+10 dBm	+13 dBm	
IMAGE REJECTION		20 dB	28 dB		
AMPLITUDE MATCH			0.15 dB		
PHASE MATCH			3.0°		

**NOTES:**

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

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