

# IQ6090MF2-71 IQ Mixer

6.3 to 8.5 GHz operation



Features
Broadband Frequency Operation
Excellent Conversion Loss
High port-to-port isolation
Frequency Converter Applications

Maximum Ratings	
Operating Temperature	-55 to +125°C
Storage Temperature	-65 to +150°C
Peak I/P Power For Any Port	+23 dBm Peak
Peak I/P Power For All Ports	+26 dBm Peak
Peak I/P Current @ +25°C	100mA

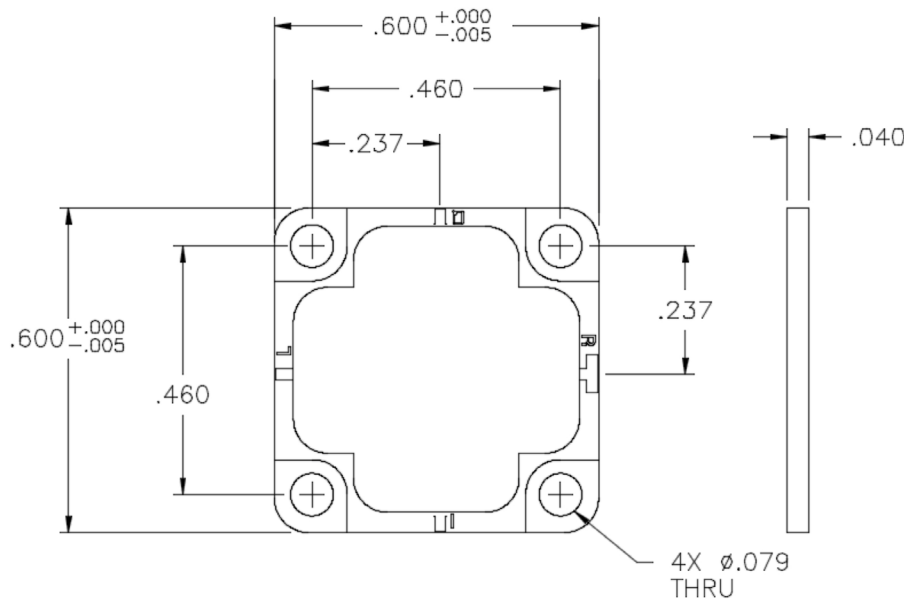
Product Export Classification
ECCN: EAR 99 (unless otherwise specified)
HTS: 8541.10.0000

Parameters	Freq. (GHz)	Minimum (dB)	Typical (dB)	Maximum (dB)	Units	Conditions
<b>Conversion Loss</b>						
RF Input	6.3 to 8.5		6.0	7.5	dB	
LO Input	6.3 to 8.5					
IF Output	DC to .5					
VSWR	LO&IF RF			2.0:1		
<b>Isolation</b>						
L-R Isolation		23.0	28.0		dB	
L-IQ Isolation		30.0	40.0		dB	
RF-I/Q						
Spurious (In-band) 4IF						
Input IP3						
1dB Compression Point			+10.0		dBm	
LO Drive			+10.0		dBm	
Image Rejection						
Amplitude Match			0.2		dB	
Phase Match			5.0		°	

**NOTES:**

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

Package Outline: F2



DISCLAIMER: Subject to change without notice. Rev(-) 09/5/19