IQ2040MP4 IQ Mixer

2.0 to 4.0 GHz operation

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

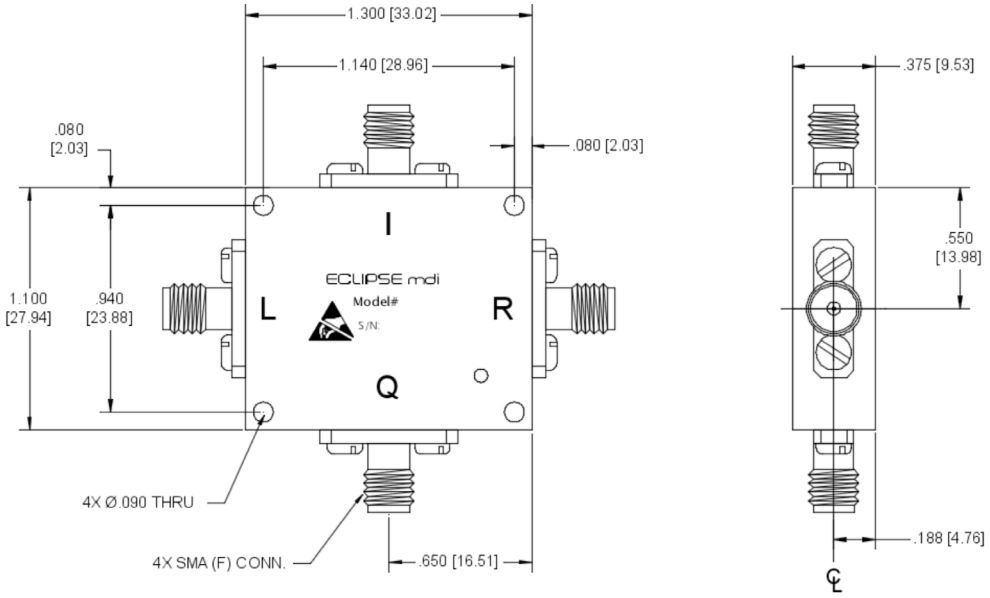
Maximum Ratings	
Operating Temperature	-55 to +125°C
Storage Temperature	-65 to +150°C
Peak I/P Power For Any Port	+23 dBm Peak
Peak I/P Power For All Ports	+26 dBm Peak
Peak I/P Current @ +25°C	100mA

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

Parameters	Freq. (GHz)	Minimum (dB)	Typical (dB)	Maximum (dB)	Units	Conditions
Conversion Loss						
RF Input	2.0 to 4.0		5.5	7.0	dB	IF=100 MHz
LO Input	2.0 to 4.0					
IF Output	DC-0.5					
VSWR	LO&IF RF			2.5:1		
Isolation						
L-R Isolation		30.0	40.0		dB	
L-IQ Isolation		25.0	30.0		dB	
RF-I/Q			30.0		dB	
Spurious (In-band) 4IF						
Input IP3						
1dB Compression Point			+1.0		dBm	
LO Drive			+10.0	+14.0	dBm	
Image Rejection		19.0	28.0		dB	
Amplitude Match			0.2		dB	
Phase Match			2.0		°	

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

Package Outline: **P4**



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

Quality products that serve the industry. Today and tomorrow.

Copyright© EclipseMDI

www.eclipseMDI.com
1.408.526.1100
EclipseMDI
sales@eclipsemdi.com