

IQ8010MP2-65 IQ Mixer

8.5 to 9.5 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

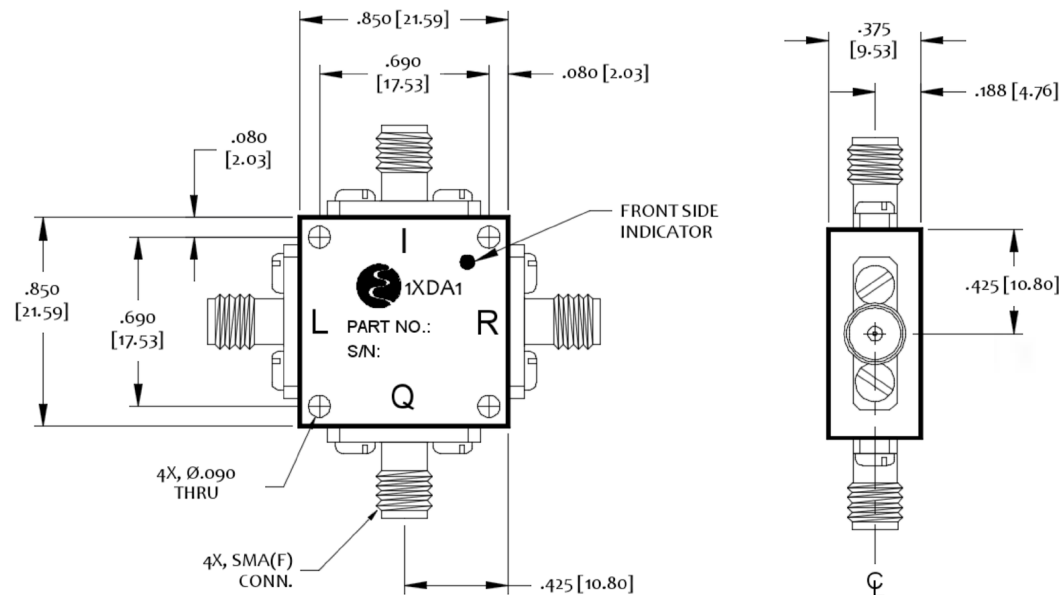
Product Export Classification	
ECCN:	EAR 99 (unless otherwise specified)
HTS:	8541.10.0000

Parameters	Freq. (GHz)	Minimum (dB)	Typical (dB)	Maximum (dB)	Units	Conditions
Conversion Loss						
RF Input	8.5 to 9.5		5.0	7.0	dB	
LO Input	8.5 to 9.5					
IF Output	DC-0.5					
VSWR	LO&IF RF			2.0:1		
Isolation						
L-R Isolation		25.0	30.0		dB	
L-IQ Isolation		32.0	40.0		dB	
RF-I/Q						
Spurious (In-band) 4IF						
Input IP3						
1dB Compression Point			+4.0		dBm	
LO Drive				+11.0	dBm	
Image Rejection		20.0	28.0		dB	
Amplitude Match			0.5		dB	
Phase Match			5.0		°	

NOTES:

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

Package Outline: P2



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