

IR, MIXER

8.5 to 9.6 GHz

IR8596MF2/30

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	8,5 to 9,6		6,5	7,0	
LO INPUT	8,53 to 9,63				
IF INPUT	0.030				
VSWR	LO & IF RF		2,0		
ISOLATION					
LO-RF		25	30		
LO-IF		25	28		
1 dB Compression Point			+1dBm		
LO Drive			+10 dBm	+14 dBm	
IMAGE REJECTION		18 dB	23 dB		
OPERATING TEMP RANGE(°C)		-40		+85	

NOTES:

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

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