MG35TC-28C Double Balanced Mixer



Technical Characteristics

Product Features
Multi-octave bandwidth
Broad frequency - input and output
Wide DC to IF frequency response
Low conversion loss
High port-to-port isolation

ECI	JPSE	mdi

-65 to +150°C

-55 to +125°C

+23dBm Peak

Low conversion loss			Peak Input Power For Any Port		t +26dE	+26dBm peak	
High port-to-port isolation				Peak Inp	ut Current @ +25° C	100mA	
Parameters	Freq. (GHz)	Minimum	Туј	oical	Maximum	Units	Conditions
Conversion Loss							
RF Input	4.5 to 14.5		6	5.0	8.0	dB	LO = +10dBm
LO Input	4.9, 7.0, 12.8, 13.05						
IF Output	0.95 to 1.7						
Conversion Flatness Isolation							
LO-RF	4.5 to 14.5	20.0	2	5.0		dB	
LO-IF	4.5 to 14.5	18.0	2	5.0		dB	
RF-IF	.950 to 1.70	25.0	3	0.0		dB	
VSWR	LO-IF/RF		2.0:1	/2.5:1			
1dB Comp.Point			5	5.0		dBm	
LO Drive	4.5 to 14.5	7.0			10.0	dBm	
Input TOIP			1	1.0		dBm	RF: 9.0 GHz @-6 dBm
							RF: 9.01 GHz @-6 dBm
							RF: 9.25 GHz @+10

Maximum Ratings

Storage Temperature

Operating Temperature Peak

Peak Input Power For Any Single Port

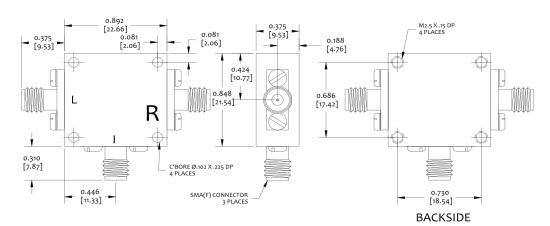
NOTES:

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

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Package outline C



DISCLAIMER: Subject to change without notice.





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dBm

^{1.} Measured in a 50 ohm system with nominal LO drive and downconverter application only, unless otherwise specified. The I-port frequency range extends to DC for phase detection, pulse modulation, or attenuator applications. I-port VSWR degrades from a 50 Ω system at LO-IF frequencies.