

Non-Catalog Model

Frequency Mixer

LRMS-5R

Level 7 (LO Power +7 dBm)

Important Note

This is a non-catalog model and can be manufactured on specific request. Pricing and delivery information can be supplied upon request.



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CASE STYLE : QQQ130

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	10		1500	MHz
	RF (fL to fU)	10		1500	MHz
	IF	0		1000	MHz
Conversion Loss	mid band		5.6	8.0	dB
	Total Range			9.9	dB
LO-RF Isolation	Low Range	40	50		dB
	Mid Range	20	34		dB
	Upper Range	18	22		dB
LO-IF Isolation	Low Range	27	50		dB
	Mid Range	15	30		dB
	Upper Range	7	14		dB
1 dB Comp. Input Power			+1		dBm

Notes: Low Range = [fL to 10fL]
mid band = [2fL to fU/2]

Mid Range = [10fL to fU/2]

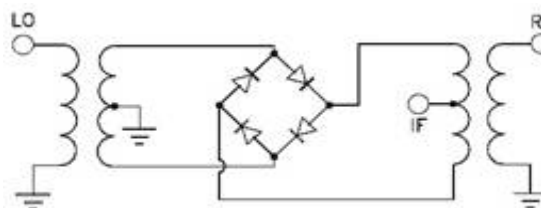
Upper Range = [fU/2 to fU]

Phase detection, positive polarity

Hermetic sealed diodes

MAXIMUM RATINGS	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	50mW
IF Current	40mA

Electrical Schematics



PIN CONNECTIONS	
LO	1
RF	4
IF	5
GROUND	2, 3, 6