

## Non-Catalog Model

# Frequency Mixer

# SKY-53HR

Level 17 (LO Power +17 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 : BJ398**

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
<b>Frequency</b>	<b>LO</b> (fL to fU)	2800		5300	MHz
	<b>RF</b> (fL to fU)	2800		5300	MHz
	<b>IF</b>	0		500	MHz
<b>Conversion Loss</b>	<b>mid band</b>		5.7	9.5	dB
	<b>Total Range</b>			9.5	dB
<b>LO-RF Isolation</b>	<b>Low Range</b>	15	28		dB
	<b>Mid Range</b>	15	28		dB
	<b>Upper Range</b>	15	28		dB
<b>LO-IF Isolation</b>	<b>Low Range</b>	8	12		dB
	<b>Mid Range</b>	8	12		dB
	<b>Upper Range</b>	8	12		dB
<b>1 dB Comp. Input Power</b>			+14		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]

Non-hermetic

MAXIMUM RATINGS	
<b>Operating Temperature</b>	-40°C to 85°C
<b>Storage Temperature</b>	-55°C to 100°C
<b>RF Power</b>	200mW
<b>IF Current</b>	40mA

PIN CONNECTIONS	
<b>LO</b>	5
<b>RF</b>	1
<b>IF</b>	7
<b>GROUND</b>	2, 3, 4, 6, 8

### Electrical Schematics

