

Non-Catalog Model

Frequency Mixer

SCM-1LHNL

Level 10 (LO Power + 10 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 : YY101

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (f _L to f _U)	1		500	MHz
	RF (f _L to f _U)	1		500	MHz
	IF	0		500	MHz
Conversion Loss	Mid band		5.8	7.0	dB
	Total Range			8.0	dB
LO-RF Isolation	Low Range	40	60		dB
	Mid Range	35	50		dB
	Upper Range	30	40		dB
LO-IF Isolation	Low Range	40	50		dB
	Mid Range	35	45		dB
	Upper Range	25	40		dB
1 dB Compression			+5		dBm

Note: Low Range = [f_L to 10f_L]
Mid band = [2f_L to f_U/2]

Mid Range = [10f_L to f_U/2]

Upper Range = [f_U/2 to f_U]

Non-hermetic

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

PIN CONNECTIONS	
LO	8
RF	1
IF	3,4 [^]
GROUND	2,5,6,7

[^] - pins must be connected together externally

Electrical Schematics

