

Non-Catalog Model

Frequency Mixer

SBL-173H

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 : A06

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	5		1200	MHz
	RF (fL to fU)	5		1200	MHz
	IF	1		1200	MHz
Conversion Loss	mid band		5.7	7.0	dB
	Total Range			8.5	dB
LO-RF Isolation	Low Range	35	40		dB
	Mid Range	25	35		dB
	Upper Range	20	35		dB
LO-IF Isolation	Low Range	35	40		dB
	Mid Range	20	35		dB
	Upper Range	20	30		dB
IP3 Input		+27.5	+30		dBm
1 dB Comp. Input Power			+10		dBm

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

IP3 : RF Power = 0 dBm @ 200 MHz & 202 MHz , LO Power = +17 dBm @ 180 MHz
 Non-hermetic

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	200mW
IF Current	40mA

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

^ - pins must be connected together externally

Electrical Schematics

