

Non-Catalog Model

Frequency Mixer

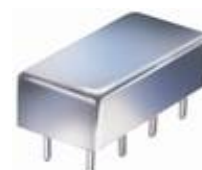
SBL-2500H

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		2500	MHz
	RF (fL to fU)	5		2500	MHz
	IF	1		1000	MHz
Conversion Loss	mid band		5.5	7.5	dB
	Total Range			10.5	dB
LO-RF Isolation	Low Range	35	46		dB
	Mid Range	30	44		dB
	Upper Range	25	35		dB
LO-IF Isolation	Low Range	35	50		dB
	Mid Range	27	44		dB
	Upper Range	19	32		dB
IP3 Input		+27.5	+30		dBm
1 dB Comp. Input Power			+10		dBm

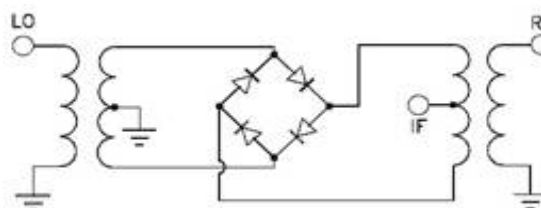
Notes: Low Range = [fL to 10fL] Mid Range = [10fL to fU/2] Upper Range = [fU/2 to fU]
 mid band = [2fL to fU/2]

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

Electrical Schematics



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

^ - pins must be connected together externally