

# Non-Catalog Model

## Frequency Mixer

# SBL-1Z

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.

Please click "Back", and then click "Contact Us" for Applications support.



CASE STYLE : A06

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	10		1000	MHz
	RF (fL to fU)	10		1000	MHz
	IF	0		500	MHz
Conversion Loss	mid band		6.3	7.5	dB
	Total Range			9.0	dB
LO-RF Isolation	Low Range	40	50		dB
	Mid Range	25	35		dB
	Upper Range	20	25		dB
LO-IF Isolation	Low Range	25	40		dB
	Mid Range	18	25		dB
	Upper Range	15	19		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]

Non-hermetic

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

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

### Electrical Schematics

