

Non-Catalog Model

Frequency Mixer

SAY-2

Level 23 (LO Power +23 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 : A01

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	0.1		1000	MHz
	RF (fL to fU)	0.1		1000	MHz
	IF	0.01		500	MHz
Conversion Loss	mid band		5.4	7.5	dB
	Total Range			9.5	dB
LO-RF Isolation	Low Range	20	40		dB
	Mid Range	30	40		dB
	Upper Range	25	30		dB
LO-IF Isolation	Low Range	23	37		dB
	Mid Range	25	40		dB
	Upper Range	15	25		dB
1 dB Comp. Input Power			+20		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]

IF response from 0.01 to 0.1 MHz falls off 3 dB.

Hermetically sealed.

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	350mW
IF Current	40mA

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

Electrical Schematics

