

## Non-Catalog Model

# Frequency Mixer

## Level 7 (LO Power +7 dBm)

# SAM-2

### 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 : A03**

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	1		1000	MHz
	RF (fL to fU)	1		1000	MHz
	IF	0		1000	MHz
Conversion Loss	mid band		5.7	7.5	dB
	Total Range			9.5	dB
LO-RF Isolation	Low Range	45	55		dB
	Mid Range	25	40		dB
	Upper Range	20	35		dB
LO-IF Isolation	Low Range	40	50		dB
	Mid Range	25	40		dB
	Upper Range	25	30		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]

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

^ - pins must be connected together externally

### Electrical Schematics

