## **Frequency Mixer** 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.

## SAM-5



CASE STYLE : A03

	ELECTRICA	SPECIFICATION	IS 50Ω @ +25°C	;	
Parameter		Min.	Тур.	Max.	Units
Frequency	LO (fL to fU)	5		1500	MHz
	<b>RF</b> (fL to fU)	5		1500	MHz
	IF	0.5		1000	MHz
Conversion Loss	mid band		5.8	7.5	dB
	Total Range			8.5	dB
LO-RF Isolation	Low Range	40	55		dB
	Mid Range	25	35		dB
	Upper Range	20	30		dB
LO-IF Isolation	Low Range	40	50		dB
	Mid Range	25	35		dB
	Upper Range	20	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]

Conversion Loss Max. is 3dB higher for IF freq. range 0.5 to 5MHz

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

^ - pins must be connected together externally

## **Electrical Schematics**

