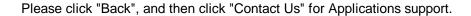
Frequency Mixer

SCM-2LH

Level 10 (LO Power + 10 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.





CASE STYLE: YY109

	ELECTRICAL	SPECIFICATION	IS 50Ω @ +25°	С	
Parameter		Min.	Тур.	Max.	Units
Frequency	LO (fL to fU)	5		1000	MHz
	RF (f∟ to f∪)	5		1000	MHz
	IF	0		500	MHz
Conversion Loss	Mid band		7.2	8.4	dB
	Total Range			9.7	dB
LO-RF Isolation	Low Range	40	65		dB
	Mid Range	25	50		dB
	Upper Range	20	44		dB
LO-IF Isolation	Low Range	40	58		dB
	Mid Range	25	50		dB
	Upper Range	15	28		dB
1 dB Compression			+5		dBm

Note: 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	-40°C to +85°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

