

Frequency Mixer

LAVI-ED12954/1

Level 20 (LO Power + 20 dBm)

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



CASE STYLE : CK605

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ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (f _L to f _u)	10		2505	MHz
	RF (f _L to f _u)	10		2505	MHz
	IF	10		500	MHz
Conversion Loss	Mid Range		7.15		dB
	Total Range		7.7		
LO-RF Isolation	Low Range		55		dB
	Mid Range		50		dB
	Upper Range		45		dB
LO-IF Isolation	Low Range		55		dB
	Mid Range		51		dB
	Upper Range		45		dB
Input IP3			+28		dBm
1 dB Compression			+20		dBm

Note: Low Range = [f_L to 10f_L]
mid band = [2f_L to f_u/2]

Mid Range = [10f_L to f_u/2]

Upper Range = [f_u/2 to f_u]

MAXIMUM RATINGS	
Operating Temperature	-45°C to 85°C
Storage Temperature	-55°C to +100°C

PIN CONNECTIONS	
LO	10
RF	2
IF	14
GROUND	1,3,4,5,6,7,8,9,11,12,13,15,16

Electrical Schematic

