

Engineering Development Model

Frequency Mixer

LAVI-ED12344A

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 (fL to fu)	10		1000	MHz
	RF (fL to fu)	10		1000	MHz
	IF	10		800	MHz
Conversion Loss	Mid Range		7.3		dB
	Total Range		7.6		
LO-RF Isolation	Low Range		60		dB
	Mid Range		52		dB
	Upper Range		43		dB
LO-IF Isolation	Low Range		46		dB
	Mid Range		40		dB
	Upper Range		38		dB
Input IP3			+31		dBm
1 dB Compression			+15		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]

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

