

Frequency Mixer

ADE-ED7939/1

Level 13 (LO Power + 13 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.



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CASE STYLE : CD542

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fu)	10		1530	MHz
	RF (fL to fu)	10		1530	MHz
	IF	10		1000	MHz
Conversion Loss	Mid Range		6.8		dB
	Total Range		7.0		dB
LO-RF Isolation	Low Range		62		dB
	Mid Range		48		dB
	Upper Range		39		dB
LO-IF Isolation	Low Range		30		dB
	Mid Range		31		dB
	Upper Range		27		dB
Input IP3			+18		dBm
1 dB Compression			+7		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	-40°C to 85°C
Storage Temperature	-55°C to +100°C

PIN CONNECTIONS	
LO	6
RF	3
IF	2
GROUND	1,4,5

Electrical Schematic

