

Frequency Mixer

ADE-ED13424/1

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.



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CASE STYLE : CD542

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fu)	20		3050	MHz
	RF (fL to fu)	20		3050	MHz
	IF	30		1600	MHz
Conversion Loss	mid band		7.3		dB
	Total Range		8.7		dB
LO-RF Isolation	Low Range		35		dB
	Mid Range		32		dB
	Upper Range		25		dB
LO-IF Isolation	Low Range		38		dB
	Mid Range		29		dB
	Upper Range		25		dB
Input IP3			+27		dBm
1 dB Compression			+14		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	2
IF	3
GROUND	1,4,5

Electrical Schematic

