

Frequency Mixer

ADE-ED12872/1

Level 3 (LO Power + 3 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)	2		500	MHz
	RF (fL to fU)	2		500	MHz
	IF	10		500	MHz
Conversion Loss	mid band		5.7		dB
	Total Range		5.8		dB
LO-RF Isolation	Low Range		68		dB
	Mid Range		55		dB
	Upper Range		44		dB
LO-IF Isolation	Low Range		55		dB
	Mid Range		45		dB
	Upper Range		35		dB
Input IP3			+14.17		dBm
1 dB Compression			0		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

