

## Frequency Mixer

## ADE-ED12872/10

Level 7 (LO Power + 7 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		500	MHz
	RF (fL to fU)	10		500	MHz
	IF	10		500	MHz
Conversion Loss	mid band		6.15		dB
	Total Range		6.25		dB
LO-RF Isolation	Low Range		56		dB
	Mid Range		33		dB
	Upper Range		27		dB
LO-IF Isolation	Low Range		55		dB
	Mid Range		30		dB
	Upper Range		24		dB
Input IP3			+20.92		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**

