

## Frequency Mixer

## ADE-ED12873/8

Level 10 (LO Power + 10 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 : CD637**

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	10		330	MHz
	RF (fL to fU)	10		330	MHz
	IF	10		200	MHz
Conversion Loss	mid band		4.9		dB
	Total Range		5.6		dB
LO-RF Isolation	Low Range		59		dB
	Mid Range		47		dB
	Upper Range		37		dB
LO-IF Isolation	Low Range		51		dB
	Mid Range		38		dB
	Upper Range		28		dB
Input IP3			+13		dBm
1 dB Compression			+5		dBm

**Note:** Low Range = [fL to 10fL]      Mid Range = [10fL to fu/2]      Upper Range = [fu/2 to fu]  
 mid band = [2fL to fu/2]

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**

