## Engineering Development Model

## **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.



Please click "Back", and then click "Contact Us" for Applications support.

**CASE STYLE: CD542** 

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C						
Parameter		Min.	Тур.	Max.	Units	
Frequency	<b>LO</b> (f∟ to f∪)	2		500	MHz	
	<b>RF</b> (f∟ to f∪)	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	

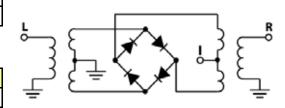
**Note:** Low Range = [fL to 10fL] mid band = [2fL to fu/2]

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