## Engineering Development Model

## **Frequency Mixer**

## ADE-ED14540/1

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.



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∪)	40		738	MHz	
	<b>RF</b> (f∟ to f∪)	10		708	MHz	
	IF	10		300	MHz	
Conversion Loss	mid band		7.1		dB	
	Total Range		7.4		dB	
LO-RF Isolation	Low Range		60		dB	
	Mid Range		47		dB	
	Upper Range		39		dB	
LO-IF Isolation	Low Range		53		dB	
	Mid Range		49		dB	
	<b>Upper Range</b>		46		dB	
Input IP3			+18		dBm	
1 dB Compression	·		+5		dBm	

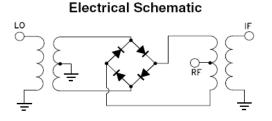
**Note:** Low Range = [fL to 10fL] mid band = [2fL to fU/2]

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		





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