Engineering Development Model

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.



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	LO (f∟ to f∪)	10		500	MHz	
	RF (f∟ to f∪)	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	

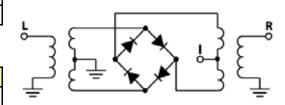
Note: Low Range = [fL to 10fL] mid band = [2fL to fu/2]

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