Engineering Development Model

Frequency Mixer

ADE-ED12873/13

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	LO (fL to fu)	10		1500	MHz	
	RF (f∟ to f∪)	10		1500	MHz	
	IF	10		1000	MHz	
Conversion Loss	mid band		6.9		dB	
	Total Range		7.2		dB	
LO-RF Isolation	Low Range		65		dB	
	Mid Range		50		dB	
	Upper Range		42		dB	
LO-IF Isolation	Low Range		50		dB	
	Mid Range		40		dB	
	Upper Range		30		dB	
Input IP3			+15.60		dBm	
1 dB Compression			+5		dBm	

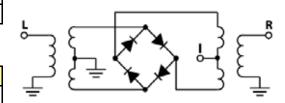
Note: Low Range = [fL to 10fL] mid band = [2fL to fu/2]

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	3		
IF	2		
GROUND	1,4,5		



Electrical Schematic