Engineering Development Model

Frequency Mixer

ADE-ED7939/1

Level 13 (LO Power + 13 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

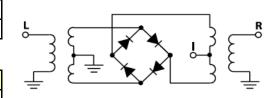
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C						
Parameter		Min.	Тур.	Max.	Units	
Frequency	LO (f∟ to f∪)	10		1530	MHz	
	RF (f∟ to f∪)	10	Ι Γ	1530	MHz	
	IF	10	1	1000	MHz	
Conversion Loss	Mid Range		6.8		dB	
	Total Range		7.0		dB	
LO-RF Isolation	Low Range		62		dB	
	Mid Range		48		dB	
	Upper Range		39		dB	
LO-IF Isolation	Low Range		30		dB	
	Mid Range		31		dB	
	Upper Range		27		dB	
Input IP3			+18		dBm	
1 dB Compression			+7	•	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