Engineering Development Model

Frequency Mixer

ADE-ED7879/1

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

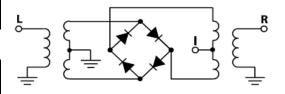
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Тур.	Max.	Units
Frequency	LO (fL to fU)	10		500	MHz
	RF (f∟ to f∪)	10		500	MHz
	IF	10		490	MHz
Conversion Loss	Mid Range		5.9		dB
	Total Range		6.1		dB
LO-RF Isolation	Low Range		60		dB
	Mid Range		54		dB
	Upper Range		50		dB
LO-IF Isolation	Low Range		52		dB
	Mid Range		47		dB
	Upper Range		41		dB
Input IP3			+17		dBm
1 dB Compression	·		+4		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