Engineering Development Model

Frequency Mixer

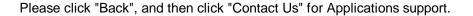
ADE-ED13424/1

Level 20 (LO Power + 20 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.





CASE STYLE: CD542

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Тур.	Max.	Units
Frequency	LO (fL to fU)	20		3050	MHz
	RF (f∟ to f∪)	20		3050	MHz
	IF	30		1600	MHz
Conversion Loss	mid band		7.3		dB
	Total Range		8.7		dB
LO-RF Isolation	Low Range		35		dB
	Mid Range		32		dB
	Upper Range		25		dB
LO-IF Isolation	Low Range		38		dB
	Mid Range		29		dB
	Upper Range		25		dB
Input IP3			+27		dBm
1 dB Compression			+14		dBm

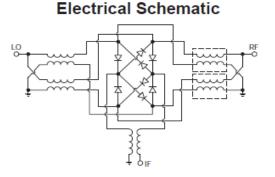
Note: Low Range = [fL to 10fL] mid band = [2fL to fU/2]

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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