

Frequency Mixer

ADE-ED13397/1

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.



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CASE STYLE : CD542

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (f _L to f _u)	10		2000	MHz
	RF (f _L to f _u)	10		2000	MHz
	IF	10		500	MHz
Conversion Loss	mid band		7.6		dB
	Total Range		7.6		dB
LO-RF Isolation	Low Range		33		dB
	Mid Range		36		dB
	Upper Range		39		dB
LO-IF Isolation	Low Range		31		dB
	Mid Range		31		dB
	Upper Range		33		dB
Input IP3			+28		dBm
1 dB Compression			+17		dBm

Note: Low Range = [f_L to 10f_L] Mid Range = [10f_L to f_u/2] Upper Range = [f_u/2 to f_u]
mid band = [2f_L to f_u/2]

MAXIMUM RATINGS	
Operating Temperature	-20°C to +85°C
Storage Temperature	-55°C to +100°C

PIN CONNECTIONS	
LO	6
RF	2
IF	3
GROUND	1,4,5