

Frequency Mixer

ADE-ED14540/1

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.



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CASE STYLE : CD542

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (f _L to f _U)	40		738	MHz
	RF (f _L to f _U)	10		708	MHz
	IF	10		300	MHz
Conversion Loss	mid band		7.1		dB
	Total Range		7.4		dB
LO-RF Isolation	Low Range		60		dB
	Mid Range		47		dB
	Upper Range		39		dB
LO-IF Isolation	Low Range		53		dB
	Mid Range		49		dB
	Upper Range		46		dB
Input IP3			+18		dBm
1 dB Compression			+5		dBm

Note: Low Range = [f_L to 10f_L]
mid band = [2f_L to f_U/2]

Mid Range = [10f_L to f_U/2]

Upper Range = [f_U/2 to f_U]

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

Electrical Schematic

