

Frequency Mixer

ADE-ED7940/1

Level 17 (LO Power + 17 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		1500	MHz
	RF (f _L to f _u)	10		1500	MHz
	IF	10		900	MHz
Conversion Loss	Mid Range		7.4		dB
	Total Range		7.5		dB
LO-RF Isolation	Low Range		59		dB
	Mid Range		48		dB
	Upper Range		38		dB
LO-IF Isolation	Low Range		47		dB
	Mid Range		38		dB
	Upper Range		19		dB
Input IP3			+24		dBm
1 dB Compression			+13		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	-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

