

## Frequency Mixer

## ADE-ED13045/1

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 <sub>L</sub> to f <sub>u</sub> )	200		680	MHz
	RF (f <sub>L</sub> to f <sub>u</sub> )	200		680	MHz
	IF	10		200	MHz
Conversion Loss	Total Range		7.2		dB
LO-RF Isolation			48		dB
LO-IF Isolation			40		dB
Input IP3			+27.3		dBm
1 dB Compression			+12		dBm

**Note:** Low Range = [f<sub>L</sub> to 10f<sub>L</sub>]  
Mid band = [2f<sub>L</sub> to f<sub>u</sub>/2]

Mid Range = [10f<sub>L</sub> to f<sub>u</sub>/2]

Upper Range = [f<sub>u</sub>/2 to f<sub>u</sub>]

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

