

## Frequency Mixer

## ADE-ED8108/2

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 (fL to fU)	50		1818	MHz
	RF (fL to fU)	50		1818	MHz
	IF	30		1500	MHz
Conversion Loss	mid band		7.1		dB
	Total Range		7.1		dB
LO-RF Isolation	Low Range		33		dB
	Mid Range		38		dB
	Upper Range		36		dB
LO-IF Isolation	Low Range		33		dB
	Mid Range		39		dB
	Upper Range		37		dB

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