Engineering Development Model

Frequency Mixer   ADE-ED7938/1

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.

Please click "Back", and then click "Contact Us" for Applications support.

CASE STYLE : CD542

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C		Min.	Typ.	Max.	Units
Parameter		**Min.**	**Typ.**	**Max.**	**Units**
Frequency	**LO** (f$_L$ to f$_U$)	1		1000	MHz
	RF (f$_L$ to f$_U$)	1		1000	MHz
	IF	0.1		1000	MHz
Conversion Loss	mid band		6.3		dB
	Total Range		6.6		dB
LO-RF Isolation	**Low Range**		-		dB
	Mid Range		55		dB
	Upper Range		42		dB
LO-IF Isolation	**Low Range**		-		dB
	Mid Range		52		dB
	Upper Range		35		dB

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