Engineering Development Model

Frequency Mixer ADE-ED9681/1

Level 7 (LO Power + 7 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.
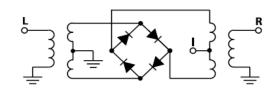
CASE STYLE : CD542

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		**Min.**	**Typ.**	**Max.**	**Units**
Frequency	**LO** (f_L to f_U)	10		1230	MHz
	RF (f_L to f_U)	10		1230	MHz
	IF	10		990	MHz
Conversion Loss	**Mid Range**		6.9		dB
	Total Range		7.5		dB
LO-RF Isolation	**Low Range**		56		dB
	Mid Range		45		dB
	Upper Range		41		dB
LO-IF Isolation	**Low Range**		61		dB
	Mid Range		46		dB
	Upper Range		28		dB
Input IP3			+17		dBm
1 dB Compression			+1		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

Electrical Schematic

PIN CONNECTIONS	
LO	6
RF	3
IF	2
GROUND	1,4,5