

## Non-Catalog Model

# Frequency Mixer

# TUF-3LHSM

Level 10 (LO Power +10 dBm)

### Important Note

This is a non-catalog model and can be manufactured on specific request. Pricing and delivery information can be supplied upon request.



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**CASE STYLE : NNN150**

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	0.15		400	MHz
	RF (fL to fU)	0.15		400	MHz
	IF	0		400	MHz
Conversion Loss	mid band		4.8	7.0	dB
	Total Range			8.0	dB
LO-RF Isolation	Low Range	50	67		dB
	Mid Range	30	51		dB
	Upper Range	25	40		dB
LO-IF Isolation	Low Range	40	67		dB
	Mid Range	25	45		dB
	Upper Range	20	34		dB
1 dB Comp. Input Power			+5		dBm

Notes: Low Range = [fL to 10fL]  
mid band = [2fL to fU/2]

Mid Range = [10fL to fU/2]

Upper Range = [fU/2 to fU]

Non-hermetic

MAXIMUM RATINGS	
Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	50mW
IF Current	40mA

PIN CONNECTIONS	
LO	4
RF	1
IF	2
GROUND	3

### Electrical Schematics

