

## Non-Catalog Model

# Frequency Mixer

# TUF-1MHSM+

Level 13 (LO Power +13 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)	2		600	MHz
	RF (fL to fU)	2		600	MHz
	IF	0		600	MHz
Conversion Loss	mid band		6.3	7.0	dB
	Total Range			8.0	dB
LO-RF Isolation	Low Range	50	68		dB
	Mid Range	30	50		dB
	Upper Range	25	43		dB
LO-IF Isolation	Low Range	45	65		dB
	Mid Range	30	48		dB
	Upper Range	22	37		dB
1 dB Comp. Input Power			+9		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	200mW
IF Current	40mA

PIN CONNECTIONS	
LO	4
RF	1
IF	2
GROUND	3

### Electrical Schematics

