

## Non-Catalog Model

# Frequency Mixer

# TUF-2H

Level 17 (LO Power +17 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 : B02

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	50		1000	MHz
	RF (fL to fU)	50		1000	MHz
	IF	0		1000	MHz
Conversion Loss	mid band		6.2	7.5	dB
	Total Range			9.0	dB
LO-RF Isolation	Low Range	40	58		dB
	Mid Range	30	47		dB
	Upper Range	25	42		dB
LO-IF Isolation	Low Range	35	58		dB
	Mid Range	25	44		dB
	Upper Range	18	28		dB
IP3 Input		+27.5	+30		dBm
1 dB Comp. Input Power			+14		dBm

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

IP3 : RF Power = 0 dBm @ 200 MHz & 202 MHz , LO Power = +17 dBm @ 180 MHz.  
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

