

Non-Catalog Model

Frequency Mixer

TUF-5HSM

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 : NNN150

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	20		1500	MHz
	RF (fL to fU)	20		1500	MHz
	IF	0		1000	MHz
Conversion Loss	mid band		7.5	8.5	dB
	Total Range			9.0	dB
LO-RF Isolation	Low Range	55	62		dB
	Mid Range	40	50		dB
	Upper Range	25	38		dB
LO-IF Isolation	Low Range	25	40		dB
	Mid Range	18	29		dB
	Upper Range	8	20		dB
1 dB Comp. Input Power			+14		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

