Plug-In **Frequency Mixer**

Level 17 (LO Power +17 dBm) 20 to 1500 MHz

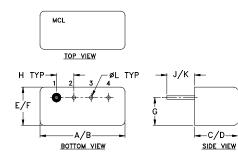
Maximum Ratings

Operating Temperature	-55°C to 100°C					
Storage Temperature	-55°C to 100°C					
RF Power	200mW					
IF Current	40mA					
Permanent damage may occur if any of these limits are exceeded.						

Pin Connections

LO	4
RF	1
IF	2
GROUND	3
CASE GROUND	3

Outline Drawing



Outline Dimensions (^{inch})									
Α	В	С	D	E	F				
.480	.500	.240	.255	.210	.230				
12.19	12.70	6.10	6.48	5.33	5.84				
G	Н	J	ĸ	L	wt				
.16	.100	.14	.20	.020	grams				
4.06	2.54	3.56	5.08	0.51	1.9				

Features

- wideband, 20 to 1500 MHz
- low conversion loss, 7.5 dB typ.
- high L-R isolation, 50 dB typ.
- rugged welded construction

Applications

- satellite distribution
- cellular
- GSM/ISM



CASE STYLE B02

+RoHS Compliant The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Electrical Specifications

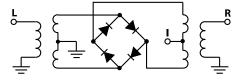
	UENCY Hz)	CON		SION dB)	LOSS	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)						IP3 @ CENTER BAND (dBm)			
LO/RF	IF	N	1id-Bar m	nd	Total Range	I	-	N	N	ι	J		L	N	Л	ι	J	
f _L -f _U		Х	σ	Max.	Max.	Тур.	Min.	Тур.	Min.	Тур.	Min.	Тур.	Min.	Тур.	Min.	Тур.	Min.	Тур.
20-1500	DC-1000	7.50	0.17	8.5	9.0	62	55	50	40	38	25	40	25	29	18	20	8	20
1 dB COMP: +14 dBm typ. L = low range [f_L to 10 f_L] M = mid range [10 f_L to $f_U/2$] U = upper range [$f_U/2$] U									range [f _U /2 to f _U]									

m= mid band [2f, to f,/2]

Typical Performance Data

Typical Ferrormance Data										
F	Frequency (MHz)	Conversion Loss (dB)	lsolation L-R (dB)	Isolation L-I (dB)	VSWR RF Port (:1)	VSWR LO Port (:1)				
RF	LO	LO +17dBm	LO +17dBm	LO +17dBm	LO +17dBm	LO +17dBm				
20.00 50.00 110.00 200.00 320.00 635.00 740.00 845.00 950.00 1005.00 1100.00 1250.00	50.00 80.00 140.00 230.00 350.00 665.00 770.00 875.00 980.00 1030.00 1030.00 1030.00 1130.00 1230.00 1280.00	6.69 6.37 5.99 5.98 6.13 6.49 6.96 7.59 8.29 8.38 8.21 7.97 7.98 7.63 7.55	76.70 69.50 65.00 61.10 58.30 50.80 47.20 46.10 44.20 41.40 38.90 36.60 37.20 36.30	54.80 48.00 43.50 39.10 36.40 31.50 30.20 29.80 28.60 27.80 27.80 27.10 25.20 24.10 22.90	1.64 1.53 1.61 1.64 1.80 1.94 2.02 2.32 2.73 3.05 3.16 3.29 3.59 3.70 3.65	1.69 1.71 1.63 1.63 1.58 1.62 1.62 1.69 1.77 1.89 1.86 1.84 1.93 2.03 2.08				
1300.00 1350.00 1400.00 1470.00 1500.00	1330.00 1380.00 1730.00 1500.00 1470.00	7.47 7.23 7.30 7.17 7.21	35.00 34.50 34.00 33.80 33.30	21.70 21.10 19.90 19.30 17.00	3.58 3.45 3.21 3.06 2.92	2.08 2.14 2.24 2.24 2.37				

Electrical Schematic

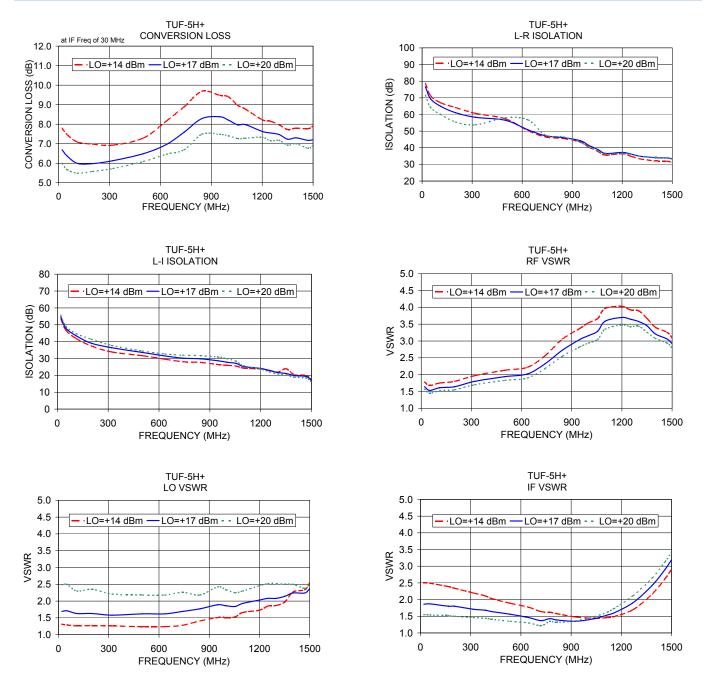


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Performance Charts

TUF-5H+



Notes

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