

Non-Catalog Model

Frequency Mixer

TUF-860H

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

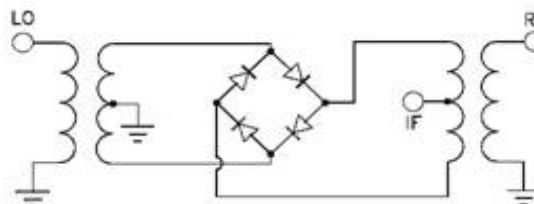
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency	LO (fL to fU)	800		1050	MHz
	RF (fL to fU)	800		1050	MHz
	IF	0		250	MHz
Conversion Loss			6.8	8.3	dB
LO-RF Isolation		25	38		dB
LO-IF Isolation		18	24		dB
1 dB Comp. Input Power			+14		dBm

Note: 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



Frequency Mixer

TUF-860H

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=30MHz (dB)		
		@LO (dBm)		
		+14	+17	+20
100.1	130.1	16.73	11.35	10.26
140.6	170.6	11.06	8.80	8.19
181.1	211.1	8.27	7.29	6.97
221.6	251.6	7.31	6.50	6.25
262.1	292.1	6.49	5.96	5.79
302.6	332.6	6.00	5.62	5.46
343.1	373.1	5.83	5.47	5.33
383.6	413.6	5.61	5.34	5.19
424.2	454.2	5.44	5.22	5.10
464.7	494.7	5.37	5.13	5.02
505.2	535.2	5.38	5.10	4.97
545.7	575.7	5.51	5.24	4.98
586.2	616.2	5.50	5.31	5.13
626.7	656.7	5.47	5.30	5.17
667.2	697.2	5.44	5.25	5.13
707.7	737.7	5.37	5.17	5.03
748.2	778.2	5.33	5.09	4.90
788.7	818.7	5.40	5.06	4.95
829.2	859.2	5.67	5.19	5.07
869.7	899.7	5.90	5.54	5.24
910.2	940.2	6.04	5.81	5.49
950.7	980.7	6.36	6.12	5.69
991.2	1021.2	6.58	6.34	6.13
1031.7	1061.7	6.91	6.61	6.40
1072.3	1102.3	7.26	6.92	6.63
1112.8	1142.8	7.65	7.28	6.88
1153.3	1183.3	8.11	7.65	7.04
1193.8	1223.8	8.50	7.84	6.75
1234.3	1264.3	8.74	7.58	5.97
1274.8	1304.8	8.72	6.82	5.60
1315.3	1345.3	8.34	6.16	5.61
1355.8	1385.8	7.66	6.09	5.73
1396.3	1426.3	7.22	6.25	5.95
1436.8	1466.8	7.28	6.59	6.29
1477.3	1507.3	7.64	7.03	6.69
1517.8	1547.8	8.19	7.57	7.16
1558.3	1588.3	8.90	8.30	7.84
1598.8	1628.8	9.22	8.76	8.46
1639.3	1669.3	9.49	9.26	9.06
1700.1	1730.1	10.13	9.94	9.80

RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)		
		@LO (dBm)		
		+14	+17	+20
100.1	130.1	16.06	26.04	29.77
140.6	170.6	20.49	27.07	22.62
181.1	211.1	24.82	21.79	21.45
221.6	251.6	22.64	20.37	22.42
262.1	292.1	20.75	20.28	23.30
302.6	332.6	19.76	21.21	24.82
343.1	373.1	19.58	22.13	26.42
383.6	413.6	19.69	22.51	24.22
424.2	454.2	21.36	27.34	35.76
464.7	494.7	22.84	28.33	37.02
505.2	535.2	23.84	34.73	26.30
545.7	575.7	26.16	24.13	28.06
586.2	616.2	29.68	23.17	21.42
626.7	656.7	28.19	28.63	26.65
667.2	697.2	26.48	27.37	25.86
707.7	737.7	22.63	24.34	25.74
748.2	778.2	21.08	29.15	23.01
788.7	818.7	21.03	24.79	26.22
829.2	859.2	21.86	24.96	31.14
869.7	899.7	14.95	19.80	28.55
910.2	940.2	14.19	14.03	18.35
950.7	980.7	13.21	12.87	16.19
991.2	1021.2	12.92	12.11	12.83
1031.7	1061.7	13.01	12.33	12.10
1072.3	1102.3	13.18	13.10	13.16
1112.8	1142.8	13.34	14.01	15.36
1153.3	1183.3	13.81	15.33	17.59
1193.8	1223.8	14.37	15.77	18.35
1234.3	1264.3	14.82	16.34	24.49
1274.8	1304.8	14.64	19.26	26.38
1315.3	1345.3	15.27	24.18	25.63
1355.8	1385.8	18.22	24.40	24.79
1396.3	1426.3	22.27	23.99	23.87
1436.8	1466.8	22.58	23.16	23.23
1477.3	1507.3	21.75	22.08	22.50
1517.8	1547.8	20.72	21.27	22.30
1558.3	1588.3	20.42	21.38	23.03
1598.8	1628.8	21.42	22.32	25.01
1639.3	1669.3	25.24	25.29	28.73
1700.1	1730.1	26.01	30.88	30.84

RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+14dBm (dB)		
		@LO (dBm)		
		+14	+17	+20
100.1	130.1	-2.36	-0.22	-0.10
140.6	170.6	-0.68	-0.11	-0.10
181.1	211.1	0.11	0.00	-0.06
221.6	251.6	0.15	0.05	-0.02
262.1	292.1	0.34	0.14	0.02
302.6	332.6	0.45	0.16	0.06
343.1	373.1	0.49	0.21	0.08
383.6	413.6	0.54	0.22	0.13
424.2	454.2	0.70	0.29	0.18
464.7	494.7	0.72	0.36	0.25
505.2	535.2	0.75	0.43	0.30
545.7	575.7	0.69	0.42	0.36
586.2	616.2	0.79	0.47	0.38
626.7	656.7	0.93	0.56	0.46
667.2	697.2	1.12	0.72	0.61
707.7	737.7	1.27	0.84	0.71
748.2	778.2	1.50	1.02	0.84
788.7	818.7	1.53	1.09	0.76
829.2	859.2	1.48	1.24	0.85
869.7	899.7	1.55	1.20	0.94
910.2	940.2	1.65	1.21	0.97
950.7	980.7	1.64	1.21	1.01
991.2	1021.2	1.67	1.26	0.90
1031.7	1061.7	1.60	1.27	0.95
1072.3	1102.3	1.52	1.23	0.98
1112.8	1142.8	1.38	1.04	0.81
1153.3	1183.3	0.97	0.66	0.55
1193.8	1223.8	0.61	0.41	0.66
1234.3	1264.3	0.35	0.54	1.14
1274.8	1304.8	0.33	1.07	1.28
1315.3	1345.3	0.79	1.61	1.40
1355.8	1385.8	1.32	1.57	1.32
1396.3	1426.3	1.95	1.70	1.49
1436.8	1466.8	1.90	1.56	1.42
1477.3	1507.3	1.48	1.27	1.22
1517.8	1547.8	1.02	0.96	1.00
1558.3	1588.3	0.43	0.44	0.57
1598.8	1628.8	0.31	0.27	0.33
1639.3	1669.3	0.32	0.19	0.24
1700.1	1730.1	0.25	0.16	0.20

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Frequency Mixer

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Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=925.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=800.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1050.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+17			+17			+17
125.0	800.1	5.62	10.0	810.1	5.06	250.0	800.1	6.12
118.9	806.2	5.62	16.2	816.3	5.10	243.8	806.3	6.12
112.9	812.2	5.62	22.3	822.4	5.08	237.7	812.4	6.11
106.8	818.3	5.61	28.5	828.6	5.07	231.5	818.6	6.10
100.8	824.3	5.61	34.6	834.7	5.06	225.4	824.7	6.10
94.7	830.4	5.61	40.8	840.9	5.06	219.2	830.9	6.08
88.7	836.4	5.61	46.9	847.0	5.05	213.1	837.0	6.09
82.6	842.5	5.61	53.1	853.2	5.06	206.9	843.2	6.09
76.6	848.5	5.61	59.2	859.3	5.07	200.8	849.3	6.09
70.5	854.6	5.62	65.4	865.5	5.09	194.6	855.5	6.11
64.5	860.6	5.62	71.5	871.6	5.12	188.5	861.6	6.11
58.4	866.7	5.63	77.7	877.8	5.15	182.3	867.8	6.13
52.4	872.7	5.65	83.8	883.9	5.18	176.2	873.9	6.17
46.3	878.8	5.67	90.0	890.1	5.21	170.0	880.1	6.20
40.3	884.8	5.70	96.2	896.3	5.24	163.8	886.3	6.24
34.2	890.9	5.74	102.3	902.4	5.28	157.7	892.4	6.30
28.2	896.9	5.79	108.5	908.6	5.31	151.5	898.6	6.38
22.1	903.0	5.84	114.6	914.7	5.33	145.4	904.7	6.43
16.1	909.0	5.86	120.8	920.9	5.33	139.2	910.9	6.48
10.0	915.1	5.87	126.9	927.0	5.35	133.1	917.0	6.52
10.0	935.1	5.85	133.1	933.2	5.37	126.9	923.2	6.54
16.1	941.2	5.88	139.2	939.3	5.38	120.8	929.3	6.54
22.1	947.2	5.87	145.4	945.5	5.39	114.6	935.5	6.55
28.2	953.3	5.87	151.5	951.6	5.39	108.5	941.6	6.54
34.2	959.3	5.87	157.7	957.8	5.40	102.3	947.8	6.55
40.3	965.4	5.89	163.8	963.9	5.42	96.2	953.9	6.56
46.3	971.4	5.92	170.0	970.1	5.46	90.0	960.1	6.57
52.4	977.5	5.95	176.2	976.3	5.51	83.8	966.3	6.60
58.4	983.5	5.97	182.3	982.4	5.53	77.7	972.4	6.62
64.5	989.6	5.99	188.5	988.6	5.54	71.5	978.6	6.65
70.5	995.6	6.00	194.6	994.7	5.55	65.4	984.7	6.67
76.6	1001.7	6.00	200.8	1000.9	5.56	59.2	990.9	6.69
82.6	1007.7	6.00	206.9	1007.0	5.57	53.1	997.0	6.71
88.7	1013.8	5.98	213.1	1013.2	5.55	46.9	1003.2	6.71
94.7	1019.8	5.96	219.2	1019.3	5.54	40.8	1009.3	6.70
100.8	1025.9	5.95	225.4	1025.5	5.53	34.6	1015.5	6.70
106.8	1031.9	5.94	231.5	1031.6	5.54	28.5	1021.6	6.70
112.9	1038.0	5.96	237.7	1037.8	5.58	22.3	1027.8	6.71
118.9	1044.0	5.97	243.8	1043.9	5.61	16.2	1033.9	6.71
125.0	1050.1	6.00	250.0	1050.1	5.64	10.0	1040.1	6.67

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Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+14	+17	+20	+14	+17	+20
100.1	54.82	54.90	55.63	55.65	55.19	58.44
140.6	55.79	55.50	54.86	50.10	53.14	59.93
181.1	55.50	53.44	52.86	47.00	51.44	55.84
221.6	50.81	50.62	50.84	45.79	49.54	53.21
262.1	47.52	48.19	48.92	43.90	46.65	50.19
302.6	45.04	46.73	48.15	41.97	44.37	48.82
343.1	43.56	44.96	45.74	40.50	43.26	46.86
383.6	42.57	44.38	45.27	38.50	41.01	44.54
424.2	41.59	44.59	46.62	37.42	40.73	44.30
464.7	40.37	42.85	44.55	36.05	39.50	43.01
505.2	39.13	41.38	43.15	35.09	37.91	40.92
545.7	37.99	39.10	40.59	34.68	36.34	38.83
586.2	37.93	38.69	39.28	34.42	36.79	37.99
626.7	37.89	39.32	40.36	33.69	36.92	39.53
667.2	38.09	39.64	40.73	32.81	36.12	39.39
707.7	38.87	39.59	39.99	31.88	34.92	37.88
748.2	41.16	40.66	40.15	31.27	33.65	36.27
788.7	45.13	43.67	42.05	30.79	32.43	35.34
829.2	42.97	42.60	40.12	30.15	31.49	33.79
869.7	36.42	39.57	38.09	29.96	30.89	32.77
910.2	34.17	35.54	35.11	30.72	29.97	32.01
950.7	33.69	34.00	33.19	30.59	30.28	31.31
991.2	32.90	32.95	32.18	31.87	31.88	30.88
1031.7	32.57	32.42	31.49	31.32	32.61	32.32
1072.3	32.45	32.48	31.59	30.86	33.06	33.76
1112.8	32.28	32.57	31.63	30.57	33.09	34.35
1153.3	32.28	32.79	31.75	29.97	32.35	34.03
1193.8	32.29	33.14	32.17	29.38	31.22	32.49
1234.3	31.89	32.96	33.34	29.00	30.22	29.81
1274.8	31.51	33.06	35.13	28.72	28.77	26.34
1315.3	31.12	33.37	33.96	28.26	26.17	24.84
1355.8	30.77	32.38	32.21	27.30	23.72	24.19
1396.3	30.49	31.56	31.68	25.51	23.25	24.02
1436.8	29.82	30.86	31.21	23.64	23.16	23.84
1477.3	29.39	30.36	30.16	23.36	23.31	23.44
1517.8	29.32	30.23	29.87	23.72	23.51	23.17
1558.3	29.40	30.14	29.27	24.76	24.06	23.11
1598.8	29.53	30.31	30.22	25.02	23.58	22.68
1639.3	29.25	29.52	29.21	23.59	22.16	21.40
1700.1	29.80	29.69	29.36	23.47	22.31	21.24

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+14	+17	+20
100.1	130.1	32.94	32.85	32.44
140.6	170.6	27.85	28.00	28.01
181.1	211.1	24.69	24.93	24.93
221.6	251.6	22.47	22.68	22.67
262.1	292.1	20.96	21.38	21.50
302.6	332.6	20.00	20.10	20.36
343.1	373.1	19.57	19.66	19.60
383.6	413.6	19.19	19.65	19.70
424.2	454.2	18.83	19.53	20.04
464.7	494.7	18.45	19.36	20.09
505.2	535.2	18.68	19.34	19.88
545.7	575.7	19.18	19.34	19.30
586.2	616.2	20.09	19.87	19.59
626.7	656.7	21.50	21.13	20.79
667.2	697.2	23.68	23.51	23.38
707.7	737.7	25.46	26.86	28.77
748.2	778.2	23.12	24.49	25.33
788.7	818.7	19.84	19.55	19.45
829.2	859.2	17.91	16.91	16.60
869.7	899.7	16.53	15.61	15.01
910.2	940.2	15.39	14.61	13.74
950.7	980.7	14.90	14.01	12.93
991.2	1021.2	14.26	13.69	12.41
1031.7	1061.7	13.59	13.18	12.29
1072.3	1102.3	13.09	12.72	12.13
1112.8	1142.8	12.67	12.29	11.87
1153.3	1183.3	12.33	11.95	11.50
1193.8	1223.8	12.15	11.64	10.85
1234.3	1264.3	12.03	11.49	11.08
1274.8	1304.8	11.70	11.43	11.44
1315.3	1345.3	11.40	11.57	11.65
1355.8	1385.8	11.13	11.64	11.73
1396.3	1426.3	10.94	11.50	11.60
1436.8	1466.8	10.95	11.36	11.42
1477.3	1507.3	10.81	11.11	11.08
1517.8	1547.8	10.46	10.62	10.55
1558.3	1588.3	10.03	10.15	10.00
1598.8	1628.8	9.48	9.46	9.24
1639.3	1669.3	8.86	8.65	8.36
1700.1	1730.1	8.08	7.67	7.33

Frequency Mixer

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Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)			LO (MHz)	LO VSWR (:1)			IF (OUT) (MHz)	IF VSWR @LO=1050.1MHz (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+14	+17	+20		+14	+17	+20		+14	+17	+20
100.1	130.1	22.87	14.03	11.93	100.1	57.91	28.03	9.79	10.0	3.70	3.33	2.78
140.6	170.6	10.75	7.83	7.00	140.6	19.98	6.61	4.52	16.2	3.82	3.34	2.88
181.1	211.1	6.19	5.22	4.79	181.1	7.94	3.80	3.40	22.3	3.74	3.34	2.86
221.6	251.6	4.66	3.98	3.67	221.6	4.01	2.80	3.03	28.5	3.58	3.18	2.73
262.1	292.1	3.62	3.16	2.96	262.1	2.85	2.30	2.75	34.6	3.51	3.15	2.71
302.6	332.6	2.96	2.67	2.51	302.6	2.18	2.02	2.61	40.8	3.43	3.09	2.69
343.1	373.1	2.61	2.34	2.24	343.1	1.88	1.90	2.58	46.9	3.39	3.05	2.66
383.6	413.6	2.28	2.07	1.98	383.6	1.57	1.74	2.47	53.1	3.34	3.00	2.63
424.2	454.2	2.05	1.88	1.82	424.2	1.43	1.71	2.48	59.2	3.34	2.98	2.63
464.7	494.7	1.89	1.76	1.72	464.7	1.28	1.66	2.44	65.4	3.33	2.99	2.62
505.2	535.2	1.76	1.68	1.66	505.2	1.14	1.61	2.41	71.5	3.34	2.99	2.63
545.7	575.7	1.66	1.59	1.58	545.7	1.07	1.60	2.39	77.7	3.35	3.01	2.64
586.2	616.2	1.55	1.50	1.49	586.2	1.02	1.60	2.37	83.8	3.39	3.05	2.67
626.7	656.7	1.46	1.42	1.42	626.7	1.05	1.62	2.40	90.0	3.42	3.08	2.69
667.2	697.2	1.39	1.36	1.36	667.2	1.13	1.61	2.37	96.2	3.47	3.11	2.72
707.7	737.7	1.31	1.30	1.33	707.7	1.20	1.60	2.35	102.3	3.52	3.16	2.76
748.2	778.2	1.27	1.34	1.46	748.2	1.29	1.59	2.30	108.5	3.54	3.18	2.77
788.7	818.7	1.28	1.41	1.49	788.7	1.39	1.57	2.26	114.6	3.56	3.20	2.78
829.2	859.2	1.27	1.41	1.49	829.2	1.52	1.66	2.31	120.8	3.56	3.20	2.78
869.7	899.7	1.31	1.38	1.47	869.7	1.56	1.79	2.37	126.9	3.54	3.19	2.78
910.2	940.2	1.38	1.40	1.43	910.2	1.53	1.86	2.45	133.1	3.52	3.16	2.76
950.7	980.7	1.43	1.42	1.40	950.7	1.56	1.86	2.49	139.2	3.51	3.16	2.77
991.2	1021.2	1.49	1.47	1.41	991.2	1.52	1.84	2.49	145.4	3.48	3.14	2.75
1031.7	1061.7	1.54	1.51	1.46	1031.7	1.53	1.82	2.49	151.5	3.48	3.14	2.76
1072.3	1102.3	1.59	1.54	1.48	1072.3	1.55	1.80	2.44	157.7	3.48	3.14	2.76
1112.8	1142.8	1.66	1.58	1.50	1112.8	1.55	1.76	2.39	163.8	3.49	3.15	2.77
1153.3	1183.3	1.77	1.66	1.53	1153.3	1.54	1.72	2.34	170.0	3.50	3.16	2.78
1193.8	1223.8	1.87	1.71	1.49	1193.8	1.52	1.65	2.25	176.2	3.50	3.17	2.80
1234.3	1264.3	1.94	1.70	1.44	1234.3	1.50	1.58	2.17	182.3	3.54	3.19	2.81
1274.8	1304.8	1.97	1.65	1.49	1274.8	1.47	1.50	2.08	188.5	3.54	3.19	2.82
1315.3	1345.3	1.95	1.64	1.58	1315.3	1.44	1.42	2.01	194.6	3.55	3.20	2.82
1355.8	1385.8	1.91	1.74	1.70	1355.8	1.42	1.38	2.00	200.8	3.55	3.20	2.82
1396.3	1426.3	1.95	1.87	1.83	1396.3	1.43	1.39	1.99	206.9	3.58	3.22	2.84
1436.8	1466.8	2.11	2.05	2.01	1436.8	1.52	1.45	2.02	213.1	3.57	3.22	2.84
1477.3	1507.3	2.30	2.24	2.18	1477.3	1.65	1.52	2.04	219.2	3.58	3.24	2.85
1517.8	1547.8	2.47	2.41	2.33	1517.8	1.79	1.60	2.07	225.4	3.58	3.24	2.86
1558.3	1588.3	2.59	2.55	2.47	1558.3	1.94	1.72	2.16	231.5	3.60	3.25	2.88
1598.8	1628.8	2.66	2.65	2.61	1598.8	1.90	1.71	2.15	237.7	3.61	3.27	2.89
1639.3	1669.3	2.75	2.73	2.71	1639.3	1.78	1.64	2.14	243.8	3.60	3.26	2.89
1700.1	1730.1	2.88	2.83	2.80	1700.1	1.97	1.79	2.23	250.0	3.60	3.26	2.90

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Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	8	24	9	19	22	44	36	65	35	43
1	-	9	+0	16	15	26	31	26	48	44	49	42
2	93	37	35	38	35	43	40	43	59	50	58	55
3	>100	73	35	37	36	35	42	48	45	46	57	72
4	>100	64	62	51	64	51	59	55	58	59	63	65
5	>100	73	72	69	57	52	60	49	66	69	62	68
6	>100	77	68	77	75	61	72	61	66	66	73	70
7	>100	>93	82	77	82	78	69	66	73	62	69	86
8	>100	>93	>93	86	84	>93	85	71	73	73	71	78
9	>100	>93	>93	>93	91	85	>93	87	76	80	77	78
10	>100	>93	>93	>93	>93	92	>93	>93	90	83	82	84
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 920.1 MHz; -1.00 dBm.
LO IN: 950.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; -7.02 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	17	41	21	30	32	48	45	53	49	62
1	-	9	+0	20	16	37	45	32	43	48	51	45
2	77	42	34	52	35	41	43	55	41	59	62	76
3	>100	47	28	31	30	31	41	46	56	42	55	57
4	>100	54	53	49	47	51	44	47	58	58	51	67
5	>100	64	50	52	41	39	43	39	55	59	56	52
6	>100	62	57	67	63	55	59	54	52	51	64	71
7	>100	67	63	73	60	55	54	45	61	46	63	68
8	>100	82	83	71	62	71	73	58	65	57	60	57
9	>100	73	73	73	66	65	67	60	58	53	65	55
10	>100	78	83	83	84	87	66	73	82	62	65	61
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 920.1 MHz; 9.00 dBm.
LO IN: 950.01 MHz; +17.00 dBm
IF OUT: 29.91 MHz; 2.81 dBm

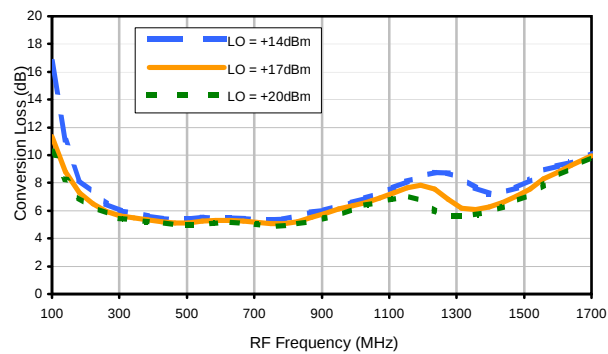
- Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT.
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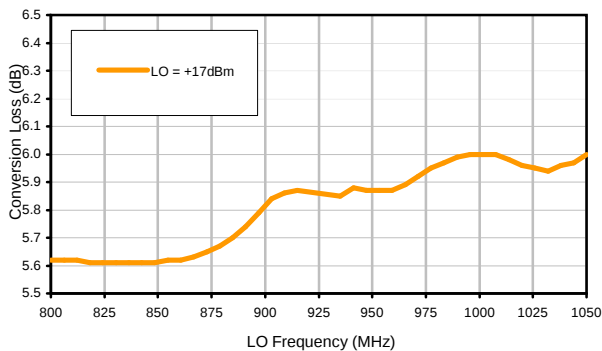


Typical Performance Curves

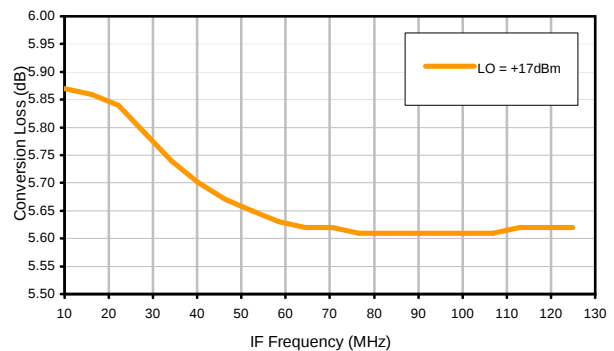
Conversion Loss @ IF=30MHz



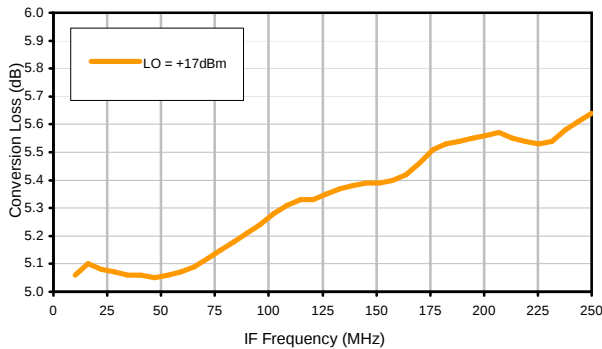
Conversion Loss vs. LO @ RF=925.1MHz



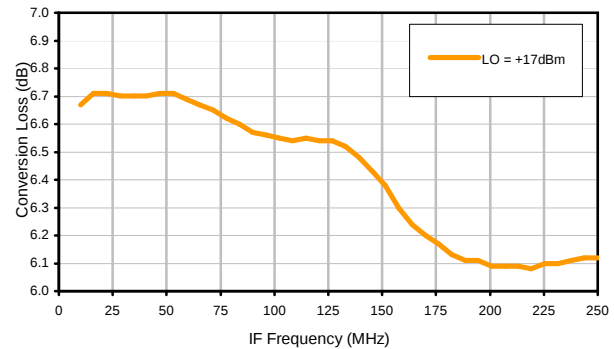
Conversion Loss vs. IF @ RF=925.1MHz



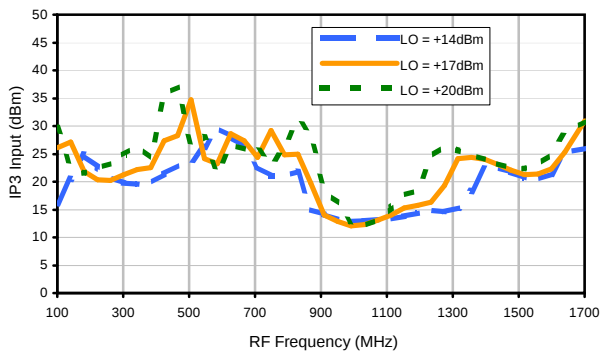
Conversion Loss vs. IF @ RF=800.1MHz



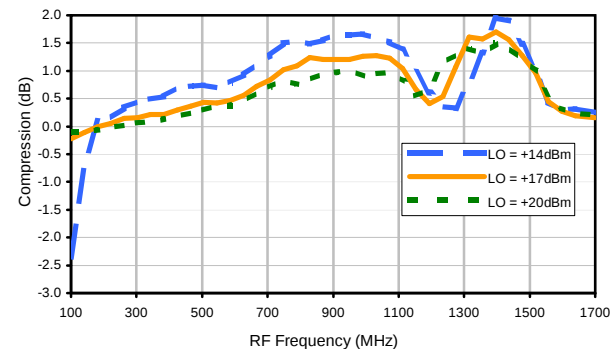
Conversion Loss vs. IF @ RF=1050.1MHz



IP3 Input

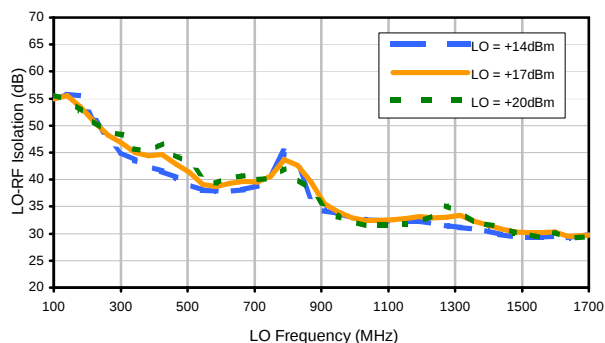


Compression @ RF IN=+14dBm

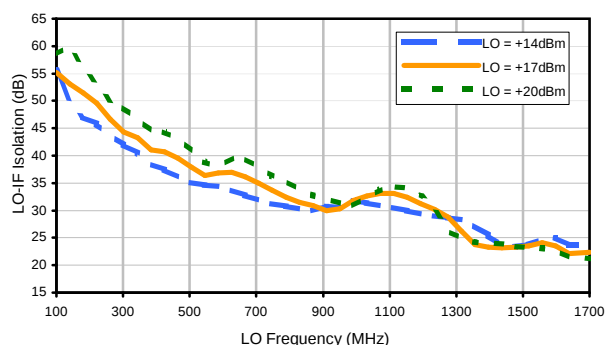


Typical Performance Curves

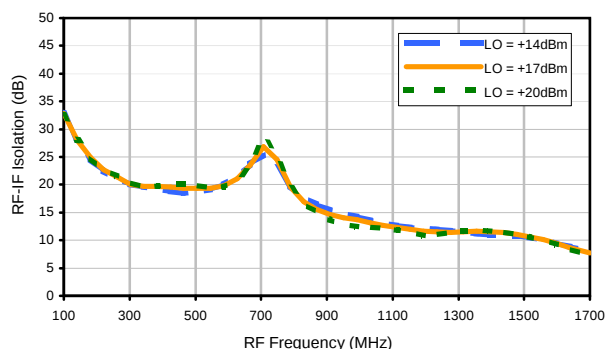
LO-RF Isolation



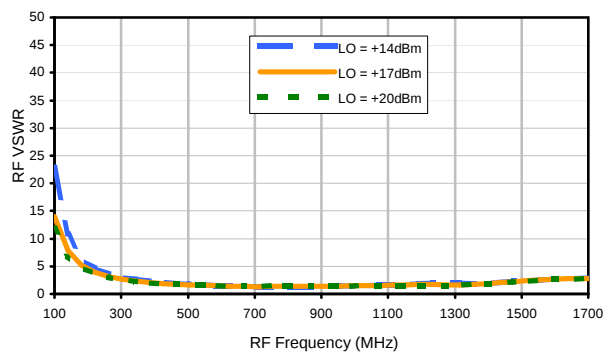
LO-IF Isolation



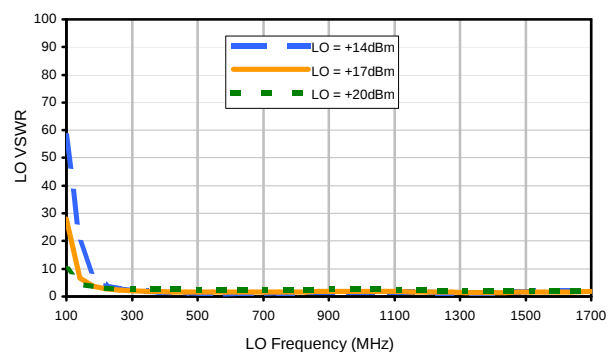
RF-IF Isolation



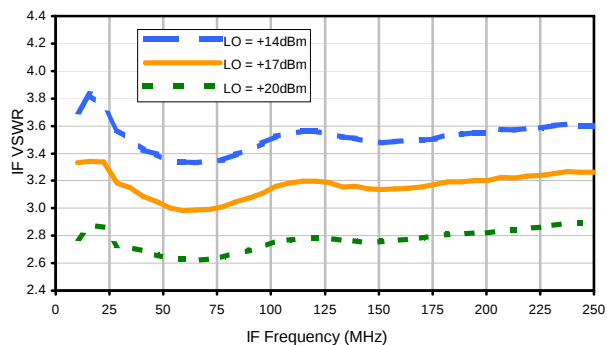
RF VSWR



LO VSWR



IF VSWR



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6	>100	77	68	77	75	61	72	61	66	66	73	70
7	>100	>93	82	77	82	78	69	66	73	62	69	86
8	>100	>93	>93	86	84	>93	85	71	73	73	71	78
9	>100	>93	>93	>93	91	85	>93	87	76	80	77	78
10	>100	>93	>93	>93	>93	92	>93	>93	90	83	82	84
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6	>100	62	57	67	63	55	59	54	52	51	64	71
7	>100	67	63	73	60	55	54	45	61	46	63	68
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10	>100	78	83	83	84	87	66	73	82	62	65	61
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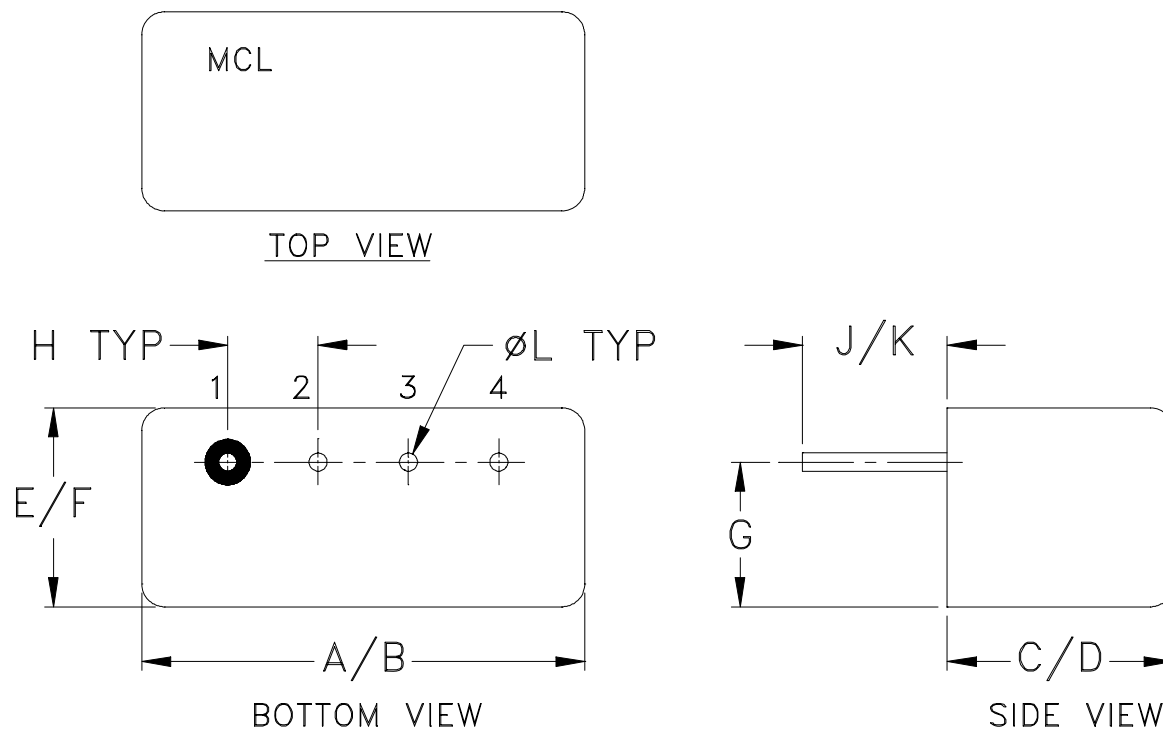
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B02

B13

Outline Dimensions



CASE#	A	B	C	D	E	F	G	H	J	K	L	WT, GRAM
B02	.480 (12.19)	.500 (12.70)	.240 (6.10)	.255 (6.48)	.210 (5.33)	.230 (5.84)	.16 (4.06)	.100 (2.54)	.14 (3.56)	.20 (5.08)	.020 (.51)	1.9
B13			.390 (9.91)	.405 (10.29)								2.3

Dimensions are in inches (mm). Tolerances: 2 Pl. $\pm .03$; 3 Pl. $\pm .015$

Notes:

- Header material: C.R.S.
Pin material: #52 alloy.
Cover material: Cupro-Nickel.
- Pin finish: Electro Tin-Silver.
- Tolerance on pin diameter $\pm .005$ inch.
- Glass meniscus 0.015 inch max.
- Blue bead indicates Pin 1. Pin numbers do not appear on unit, for reference only.



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