

Frequency Mixer

TUF-11AMHSM

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	CONVERSION LOSS IF FIXED @IF(OUT)=40MHz (dB)			RF (IN) (MHz)	LO (MHz)	IP3 INPUT (dBm)			RF (IN) (MHz)	LO (MHz)	COMPRESSION @RF IN=+9dBm (dB)		
		@LO (dBm)					@LO (dBm)					@LO (dBm)		
		+4	+7	+10			+4	+7	+10			+4	+7	+10
800.1	840.1	10.53	9.90	9.56	800.1	840.1	18.39	18.84	19.07	800.1	840.1	0.86	0.71	0.62
860.1	900.1	9.36	8.77	8.51	860.1	900.1	16.47	16.71	17.23	860.1	900.1	1.36	1.14	0.99
920.1	960.1	8.59	8.06	7.84	920.1	960.1	14.41	14.79	15.42	920.1	960.1	1.61	1.30	1.08
980.1	1020.1	8.19	7.69	7.48	980.1	1020.1	13.04	13.79	14.56	980.1	1020.1	1.61	1.16	0.94
1040.1	1080.1	8.09	7.57	7.38	1040.1	1080.1	12.50	13.64	14.73	1040.1	1080.1	1.46	0.92	0.72
1100.1	1140.1	8.19	7.64	7.43	1100.1	1140.1	12.38	13.90	15.50	1100.1	1140.1	1.25	0.70	0.52
1160.1	1200.1	8.43	7.78	7.57	1160.1	1200.1	13.14	14.86	16.55	1160.1	1200.1	1.12	0.65	0.44
1220.1	1260.1	8.61	7.85	7.63	1220.1	1260.1	14.98	15.90	17.64	1220.1	1260.1	1.09	0.66	0.44
1280.1	1320.1	8.91	7.90	7.60	1280.1	1320.1	15.88	16.09	17.34	1280.1	1320.1	0.97	0.80	0.61
1340.1	1380.1	8.91	7.85	7.45	1340.1	1380.1	15.28	16.00	16.54	1340.1	1380.1	1.05	0.96	0.80
1400.1	1440.1	8.89	7.74	7.31	1400.1	1440.1	14.27	15.16	15.82	1400.1	1440.1	1.25	1.11	0.96
1460.1	1500.1	8.89	7.67	7.18	1460.1	1500.1	13.10	14.39	15.26	1460.1	1500.1	1.29	1.17	1.04
1520.1	1560.1	8.77	7.55	7.08	1520.1	1560.1	12.01	13.59	14.46	1520.1	1560.1	1.37	1.23	1.10
1580.1	1620.1	8.80	7.55	7.06	1580.1	1620.1	11.52	13.13	14.09	1580.1	1620.1	1.46	1.26	1.12
1640.1	1680.1	8.70	7.53	7.03	1640.1	1680.1	11.24	12.72	13.87	1640.1	1680.1	1.52	1.26	1.10
1700.1	1740.1	8.64	7.57	7.10	1700.1	1740.1	11.21	12.70	14.05	1700.1	1740.1	1.53	1.26	1.03
1740.1	1780.1	8.64	7.55	7.07	1740.1	1780.1	11.47	12.93	14.36	1740.1	1780.1	1.57	1.25	1.08
1800.1	1840.1	8.64	7.63	7.15	1800.1	1840.1	11.48	12.99	14.47	1800.1	1840.1	1.49	1.13	0.99
1840.1	1880.1	8.70	7.69	7.21	1840.1	1880.1	11.42	12.85	14.40	1840.1	1880.1	1.51	1.11	0.96
1900.1	1940.1	8.62	7.64	7.20	1900.1	1940.1	12.07	13.55	15.03	1900.1	1940.1	1.50	1.05	0.87
1940.1	1980.1	8.70	7.68	7.26	1940.1	1980.1	12.11	13.77	15.33	1940.1	1980.1	1.45	1.00	0.84
2000.1	2040.1	8.58	7.63	7.26	2000.1	2040.1	12.38	14.16	15.59	2000.1	2040.1	1.43	0.98	0.76
2040.1	2080.1	8.68	7.67	7.31	2040.1	2080.1	12.51	14.30	15.76	2040.1	2080.1	1.41	0.94	0.74
2100.1	2140.1	8.48	7.65	7.33	2100.1	2140.1	13.19	14.66	16.24	2100.1	2140.1	1.41	0.94	0.67
2140.1	2180.1	8.62	7.75	7.39	2140.1	2180.1	13.52	14.76	16.52	2140.1	2180.1	1.43	0.90	0.66
2200.1	2240.1	8.58	7.82	7.53	2200.1	2240.1	14.69	15.54	17.33	2200.1	2240.1	1.28	0.81	0.58
2240.1	2280.1	8.78	7.98	7.66	2240.1	2280.1	15.49	15.94	17.28	2240.1	2280.1	1.28	0.76	0.56
2300.1	2340.1	8.81	8.12	7.80	2300.1	2340.1	17.11	16.95	17.39	2300.1	2340.1	1.17	0.70	0.50
2340.1	2380.1	9.01	8.28	7.94	2340.1	2380.1	17.18	17.63	16.96	2340.1	2380.1	1.23	0.70	0.46
2400.1	2440.1	9.03	8.40	8.06	2400.1	2440.1	18.46	19.88	17.88	2400.1	2440.1	1.18	0.64	0.45
2440.1	2480.1	9.21	8.55	8.21	2440.1	2480.1	17.91	20.56	19.70	2440.1	2480.1	1.24	0.65	0.43
2500.1	2540.1	9.35	8.74	8.41	2500.1	2540.1	18.42	20.14	21.79	2500.1	2540.1	1.15	0.59	0.39
2540.1	2580.1	9.53	8.88	8.53	2540.1	2580.1	19.43	19.45	21.83	2540.1	2580.1	1.20	0.58	0.37
2600.1	2640.1	9.64	9.06	8.71	2600.1	2640.1	19.76	19.92	21.58	2600.1	2640.1	1.13	0.55	0.32
2640.1	2680.1	9.82	9.22	8.87	2640.1	2680.1	20.13	19.73	22.81	2640.1	2680.1	1.20	0.53	0.32
2700.1	2740.1	10.07	9.48	9.10	2700.1	2740.1	20.90	19.68	22.46	2700.1	2740.1	1.18	0.46	0.29
2740.1	2780.1	10.25	9.65	9.23	2740.1	2780.1	20.45	18.83	21.13	2740.1	2780.1	1.26	0.41	0.26
2800.1	2840.1	10.41	9.78	9.37	2800.1	2840.1	19.51	20.34	19.95	2800.1	2840.1	1.49	0.44	0.23
2840.1	2880.1	10.53	9.90	9.49	2840.1	2880.1	17.78	21.41	20.91	2840.1	2880.1	1.54	0.45	0.23
2900.1	2940.1	10.76	10.06	9.63	2900.1	2940.1	16.22	21.25	20.94	2900.1	2940.1	1.66	0.50	0.23



Frequency Mixer

TUF-11AMHSM

Typical Performance Data

IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1650.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1400.1MHz (dB)	IF (OUT) (MHz)	LO (MHz)	CONVERSION LOSS VS. IF FREQUENCY @RF(IN)=1900.1MHz (dB)
		@LO (dBm)			@LO (dBm)			@LO (dBm)
		+7			+7			+7
250.0	1400.1	6.53	40.0	1440.1	7.73	500.0	1400.1	6.20
237.4	1412.7	6.63	51.8	1451.9	7.71	488.2	1411.9	6.23
224.7	1425.4	6.64	63.6	1463.7	7.73	476.4	1423.7	6.23
212.1	1438.0	6.61	75.4	1475.5	7.67	464.6	1435.5	6.29
199.5	1450.6	6.71	87.2	1487.3	7.75	452.8	1447.3	6.29
186.8	1463.3	6.68	99.0	1499.1	7.82	441.0	1459.1	6.31
174.2	1475.9	6.75	110.8	1510.9	7.77	429.2	1470.9	6.38
161.6	1488.5	6.82	122.6	1522.7	7.79	417.4	1482.7	6.41
148.9	1501.2	6.82	134.4	1534.5	7.82	405.6	1494.5	6.41
136.3	1513.8	6.93	146.2	1546.3	7.76	393.8	1506.3	6.48
123.7	1526.4	6.98	157.9	1558.0	7.84	382.1	1518.0	6.51
111.1	1539.0	6.97	169.7	1569.8	7.87	370.3	1529.8	6.53
98.4	1551.7	7.08	181.5	1581.6	7.82	358.5	1541.6	6.60
85.8	1564.3	7.10	193.3	1593.4	7.91	346.7	1553.4	6.58
73.2	1576.9	7.15	205.1	1605.2	7.93	334.9	1565.2	6.62
60.5	1589.6	7.31	216.9	1617.0	7.86	323.1	1577.0	6.70
47.9	1602.2	7.35	228.7	1628.8	7.88	311.3	1588.8	6.71
35.3	1614.8	7.53	240.5	1640.6	7.84	299.5	1600.6	6.75
22.6	1627.5	7.77	252.3	1652.4	7.77	287.7	1612.4	6.84
10.0	1640.1	8.38	264.1	1664.2	7.83	275.9	1624.2	6.83
10.0	1660.1	8.16	275.9	1676.0	7.79	264.1	1636.0	6.87
22.6	1672.7	7.57	287.7	1687.8	7.77	252.3	1647.8	6.95
35.3	1685.4	7.56	299.5	1699.6	7.80	240.5	1659.6	6.96
47.9	1698.0	7.48	311.3	1711.4	7.72	228.7	1671.4	7.05
60.5	1710.6	7.42	323.1	1723.2	7.71	216.9	1683.2	7.14
73.2	1723.3	7.47	334.9	1735.0	7.74	205.1	1695.0	7.12
85.8	1735.9	7.40	346.7	1746.8	7.70	193.3	1706.8	7.21
98.4	1748.5	7.40	358.5	1758.6	7.69	181.5	1718.6	7.25
111.1	1761.2	7.40	370.3	1770.4	7.74	169.7	1730.4	7.23
123.7	1773.8	7.34	382.1	1782.2	7.72	157.9	1742.2	7.34
136.3	1786.4	7.40	393.8	1793.9	7.74	146.2	1753.9	7.34
148.9	1799.0	7.37	405.6	1805.7	7.73	134.4	1765.7	7.35
161.6	1811.7	7.32	417.4	1817.5	7.65	122.6	1777.5	7.47
174.2	1824.3	7.35	429.2	1829.3	7.63	110.8	1789.3	7.51
186.8	1836.9	7.27	441.0	1841.1	7.60	99.0	1801.1	7.51
199.5	1849.6	7.28	452.8	1852.9	7.54	87.2	1812.9	7.61
212.1	1862.2	7.28	464.6	1864.7	7.54	75.4	1824.7	7.63
224.7	1874.8	7.22	476.4	1876.5	7.52	63.6	1836.5	7.66
237.4	1887.5	7.30	488.2	1888.3	7.50	51.8	1848.3	7.79
250.0	1900.1	7.30	500.0	1900.1	7.47	40.0	1860.1	7.85

Frequency Mixer

TUF-11AMHSM

Typical Performance Data

LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
	@LO (dBm)			@LO (dBm)		
	+4	+7	+10	+4	+7	+10
800.1	40.68	44.20	49.46	20.84	20.30	19.97
860.1	36.99	40.12	44.53	20.68	20.19	19.96
920.1	34.39	37.31	41.10	20.63	20.18	19.96
980.1	32.60	35.39	38.67	20.70	20.28	20.13
1040.1	31.66	34.49	37.50	20.68	20.29	20.12
1100.1	31.01	33.85	36.55	20.82	20.54	20.33
1160.1	30.52	33.34	35.90	21.27	20.96	20.66
1220.1	30.06	33.08	35.79	21.57	21.42	21.10
1280.1	29.73	32.95	35.84	22.07	21.94	21.73
1340.1	29.28	32.69	35.78	22.76	22.55	22.33
1400.1	29.06	32.41	35.62	23.76	23.41	23.06
1460.1	28.74	32.22	35.26	24.97	24.37	23.78
1520.1	28.29	31.63	34.49	26.56	25.59	24.62
1580.1	28.37	31.26	33.75	28.38	26.73	25.13
1640.1	28.05	30.90	33.17	30.61	27.60	25.67
1700.1	27.82	30.39	32.41	32.45	28.45	26.08
1740.1	27.94	30.44	32.21	32.53	28.63	26.23
1800.1	27.62	29.95	31.51	31.85	28.51	26.38
1840.1	27.72	29.82	31.18	30.47	28.12	26.22
1900.1	27.67	29.47	30.65	28.61	27.52	26.19
1940.1	27.72	29.38	30.36	27.43	26.77	25.86
2000.1	27.41	29.01	29.88	25.76	25.97	25.62
2040.1	27.64	28.93	29.61	24.95	25.30	25.34
2100.1	27.50	28.87	29.47	23.65	24.40	24.90
2140.1	27.72	28.97	29.49	23.05	23.94	24.60
2200.1	27.70	28.94	29.53	22.20	23.05	23.95
2240.1	27.99	29.09	29.49	21.79	22.69	23.50
2300.1	27.95	29.21	29.68	21.23	22.13	22.89
2340.1	28.23	29.38	29.79	21.11	21.97	22.67
2400.1	28.11	29.49	30.27	20.70	21.59	22.29
2440.1	28.31	29.53	30.34	20.76	21.60	22.33
2500.1	28.20	29.56	30.47	20.65	21.56	22.35
2540.1	28.61	29.94	30.85	20.77	21.65	22.38
2600.1	28.73	30.11	31.09	20.85	21.79	22.54
2640.1	28.79	30.18	31.09	20.94	21.94	22.67
2700.1	28.97	30.32	31.42	21.21	22.19	23.11
2740.1	29.27	30.62	31.68	21.50	22.50	23.43
2800.1	29.66	30.92	32.10	21.95	22.98	24.00
2840.1	29.97	31.11	32.26	22.35	23.40	24.45
2900.1	30.61	31.70	32.56	23.03	24.16	25.20

RF (IN) (MHz)	LO (MHz)	RF-IF ISOLATION (dB)		
		@LO (dBm)		
		+4	+7	+10
800.1	840.1	19.18	18.90	18.67
860.1	900.1	18.78	18.63	18.40
920.1	960.1	18.71	18.76	18.74
980.1	1020.1	18.64	18.93	19.06
1040.1	1080.1	18.55	18.96	19.16
1100.1	1140.1	18.08	18.54	18.77
1160.1	1200.1	17.53	18.11	18.34
1220.1	1260.1	17.26	17.96	18.29
1280.1	1320.1	17.32	18.21	18.55
1340.1	1380.1	17.81	18.70	19.19
1400.1	1440.1	18.73	19.65	20.29
1460.1	1500.1	20.13	21.13	21.77
1520.1	1560.1	21.92	22.96	23.61
1580.1	1620.1	24.07	25.13	25.79
1640.1	1680.1	26.85	28.01	28.58
1700.1	1740.1	30.51	31.75	32.30
1740.1	1780.1	33.52	35.05	35.61
1800.1	1840.1	41.59	44.79	46.65
1840.1	1880.1	55.06	54.65	49.66
1900.1	1940.1	39.29	37.43	36.19
1940.1	1980.1	34.90	33.47	32.37
2000.1	2040.1	30.64	29.32	28.39
2040.1	2080.1	28.64	27.29	26.42
2100.1	2140.1	25.89	24.67	23.81
2140.1	2180.1	24.55	23.27	22.40
2200.1	2240.1	22.47	21.26	20.49
2240.1	2280.1	21.50	20.33	19.51
2300.1	2340.1	19.97	18.99	18.23
2340.1	2380.1	19.28	18.39	17.59
2400.1	2440.1	18.17	17.51	16.84
2440.1	2480.1	17.62	17.06	16.48
2500.1	2540.1	16.93	16.54	16.10
2540.1	2580.1	16.57	16.15	15.88
2600.1	2640.1	16.03	15.83	15.56
2640.1	2680.1	15.79	15.64	15.44
2700.1	2740.1	15.52	15.44	15.34
2740.1	2780.1	15.37	15.30	15.23
2800.1	2840.1	15.23	15.21	15.20
2840.1	2880.1	15.09	15.13	15.12
2900.1	2940.1	14.93	15.03	15.10

Frequency Mixer

TUF-11AMHSM

Typical Performance Data

RF (IN) (MHz)	LO (MHz)	RF VSWR (:1)		
		@LO (dBm)		
		+4	+7	+10
800.1	840.1	6.71	6.26	6.03
860.1	900.1	5.33	4.88	4.64
920.1	960.1	4.22	3.85	3.62
980.1	1020.1	3.42	3.11	2.95
1040.1	1080.1	2.87	2.65	2.55
1100.1	1140.1	2.56	2.40	2.38
1160.1	1200.1	2.36	2.27	2.29
1220.1	1260.1	2.22	2.15	2.19
1280.1	1320.1	2.06	1.99	2.01
1340.1	1380.1	1.83	1.75	1.79
1400.1	1440.1	1.59	1.52	1.57
1460.1	1500.1	1.41	1.31	1.39
1520.1	1560.1	1.25	1.15	1.28
1580.1	1620.1	1.18	1.06	1.25
1640.1	1680.1	1.16	1.14	1.31
1700.1	1740.1	1.23	1.27	1.42
1740.1	1780.1	1.30	1.36	1.49
1800.1	1840.1	1.43	1.50	1.62
1840.1	1880.1	1.52	1.58	1.69
1900.1	1940.1	1.62	1.69	1.81
1940.1	1980.1	1.67	1.74	1.86
2000.1	2040.1	1.76	1.85	1.97
2040.1	2080.1	1.83	1.93	2.04
2100.1	2140.1	1.98	2.08	2.17
2140.1	2180.1	2.07	2.17	2.26
2200.1	2240.1	2.21	2.29	2.36
2240.1	2280.1	2.26	2.32	2.38
2300.1	2340.1	2.31	2.34	2.40
2340.1	2380.1	2.32	2.35	2.41
2400.1	2440.1	2.36	2.39	2.46
2440.1	2480.1	2.42	2.46	2.53
2500.1	2540.1	2.58	2.63	2.68
2540.1	2580.1	2.68	2.73	2.76
2600.1	2640.1	2.83	2.86	2.88
2640.1	2680.1	2.88	2.91	2.92
2700.1	2740.1	2.89	2.91	2.94
2740.1	2780.1	2.89	2.92	2.97
2800.1	2840.1	2.92	2.97	3.05
2840.1	2880.1	3.00	3.07	3.15
2900.1	2940.1	3.22	3.30	3.37

LO (MHz)	LO VSWR (:1)		
	@LO (dBm)		
	+4	+7	+10
800.1	1.58	1.82	2.30
860.1	1.68	1.83	2.26
920.1	1.77	1.87	2.26
980.1	1.85	1.89	2.24
1040.1	1.94	1.92	2.24
1100.1	2.01	1.92	2.21
1160.1	2.10	1.95	2.20
1220.1	2.18	1.98	2.19
1280.1	2.23	2.01	2.18
1340.1	2.29	2.06	2.20
1400.1	2.31	2.07	2.18
1460.1	2.37	2.10	2.19
1520.1	2.45	2.12	2.18
1580.1	2.44	2.12	2.16
1640.1	2.53	2.14	2.15
1700.1	2.60	2.15	2.11
1740.1	2.61	2.15	2.08
1800.1	2.68	2.14	2.02
1840.1	2.67	2.12	1.98
1900.1	2.71	2.10	1.89
1940.1	2.71	2.07	1.84
2000.1	2.81	2.06	1.76
2040.1	2.73	2.01	1.71
2100.1	2.81	2.02	1.65
2140.1	2.72	1.98	1.60
2200.1	2.76	1.96	1.55
2240.1	2.61	1.90	1.51
2300.1	2.60	1.87	1.47
2340.1	2.43	1.80	1.44
2400.1	2.37	1.75	1.40
2440.1	2.21	1.68	1.38
2500.1	2.13	1.63	1.37
2540.1	1.99	1.58	1.37
2600.1	1.88	1.54	1.38
2640.1	1.78	1.51	1.41
2700.1	1.67	1.49	1.45
2740.1	1.59	1.48	1.49
2800.1	1.50	1.47	1.54
2840.1	1.45	1.49	1.59
2900.1	1.39	1.51	1.65

IF (OUT) (MHz)	IF VSWR @LO=1900.1MHz (:1)		
	@LO (dBm)		
	+4	+7	+10
40.0	1.68	1.46	1.33
51.8	1.62	1.39	1.27
63.6	1.57	1.34	1.23
75.4	1.55	1.32	1.22
87.2	1.61	1.37	1.25
99.0	1.66	1.42	1.28
110.8	1.68	1.43	1.28
122.6	1.67	1.42	1.26
134.4	1.64	1.40	1.25
146.2	1.63	1.38	1.24
157.9	1.62	1.37	1.25
169.7	1.62	1.38	1.25
181.5	1.62	1.37	1.24
193.3	1.62	1.37	1.23
205.1	1.62	1.36	1.22
216.9	1.63	1.38	1.23
228.7	1.64	1.39	1.24
240.5	1.62	1.37	1.23
252.3	1.58	1.34	1.20
264.1	1.55	1.30	1.18
275.9	1.54	1.30	1.17
287.7	1.56	1.31	1.17
299.5	1.58	1.33	1.19
311.3	1.58	1.33	1.19
323.1	1.55	1.31	1.17
334.9	1.52	1.28	1.14
346.7	1.51	1.26	1.12
358.5	1.51	1.26	1.13
370.3	1.51	1.27	1.14
382.1	1.49	1.25	1.13
393.8	1.46	1.23	1.11
405.6	1.44	1.21	1.09
417.4	1.43	1.20	1.07
429.2	1.43	1.20	1.08
441.0	1.42	1.19	1.09
452.8	1.39	1.18	1.10
464.6	1.36	1.16	1.11
476.4	1.34	1.13	1.10
488.2	1.34	1.12	1.09
500.0	1.34	1.13	1.09

Harmonics Tables

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	11	30	31	62	51	61	34	55	71	79
1	-	21	+0	39	17	50	60	63	58	67	61	80
2	>100	52	36	42	37	52	53	70	76	71	49	69
3	>100	58	42	48	32	65	47	66	69	74	68	67
4	>100	79	59	75	46	55	59	61	58	75	85	72
5	>100	79	82	88	56	60	43	75	52	77	76	87
6	>100	88	90	93	74	72	54	84	67	70	66	82
7	>100	85	90	94	96	84	67	69	63	81	69	85
8	>100	85	>96	95	>96	>96	76	82	63	74	73	78
9	>100	>96	92	>96	94	>96	>96	93	80	75	66	88
10	>100	>96	95	90	93	>96	>96	>96	91	82	68	74
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1650.10 MHz; +4.00 dBm.
 LO IN: 1690.01 MHz; +13.00 dBm
 IF OUT: 39.91 MHz; -3.59 dBm

RF HARMONICS ORDER

	(-dBm)	(-dBc)										
0	-	-	1	20	22	45	37	42	21	36	51	55
1	-	21	+0	37	16	43	51	52	49	47	48	56
2	>100	59	42	46	46	56	58	69	71	62	53	54
3	>100	76	59	71	49	81	57	77	76	81	75	73
4	>100	>86	81	>86	73	81	83	>86	81	>86	>86	82
5	>100	>86	>86	>86	>86	>86	85	>86	>86	>86	>86	>86
6	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
7	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
8	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
9	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
10	>100	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86	>86
	RF CAL	0	1	2	3	4	5	6	7	8	9	10

LO HARMONICS ORDER

Test conditions: RF IN: 1650.10 MHz; -6.00 dBm.
 LO IN: 1690.01 MHz; +13.00 dBm
 IF OUT: 39.91 MHz; -13.62 dBm

- Notes: 1. All Harmonics are in (dBc) relative to IF OUTPUT.
 2. + entry denotes harmonics are in (dBc) above IF OUTPUT.
 3. RF Cal represent the Harmonics level of the RF input signal to the mixer.

REV. X2
 TUF-11AMHSM
 100818
 Page 5 of 5



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant
 P.O. Box 350166, Brooklyn, New York 11235-0006 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

