

Frequency Mixer

TUF-11AHSM

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)		
		@LO (dBm)				@LO (dBm)			@LO (dBm)		
		+14	+17	+20		+14	+17	+20	+14	+17	+20
1400.0	1350.0	7.85	7.77	7.80	1400.0	30.5	31.3	32.2	32.0	32.1	30.0
1439.5	1359.5	7.83	7.67	7.61	1439.5	29.7	30.8	31.8	30.9	31.9	30.1
1479.0	1429.0	7.66	7.43	7.34	1479.0	29.2	30.4	31.6	29.9	32.0	30.7
1492.1	1442.1	7.60	7.32	7.23	1492.1	29.1	30.4	31.7	29.6	32.1	30.9
1505.3	1455.3	7.47	7.19	7.08	1505.3	29.1	30.4	31.8	29.2	32.2	31.1
1544.7	1494.7	7.31	7.04	6.91	1544.7	29.0	30.6	32.2	28.2	31.4	31.1
1571.1	1521.1	7.31	6.98	6.82	1571.1	29.0	30.8	32.4	27.8	30.9	31.0
1584.2	1534.2	7.26	6.93	6.79	1584.2	29.0	30.8	32.4	27.6	30.4	30.9
1623.7	1573.7	7.07	6.83	6.72	1623.7	28.8	30.7	32.4	26.7	29.5	30.6
1663.2	1613.2	7.05	6.76	6.68	1663.2	28.8	30.9	32.8	25.8	28.4	29.9
1676.3	1626.3	6.93	6.70	6.65	1676.3	28.8	31.0	32.9	25.6	28.0	29.5
1702.6	1652.6	6.93	6.67	6.63	1702.6	28.7	30.9	32.7	24.8	27.3	28.8
1742.1	1692.1	6.86	6.61	6.58	1742.1	28.5	31.0	32.9	24.1	26.5	28.2
1768.4	1718.4	6.92	6.63	6.58	1768.4	28.6	31.2	33.3	23.6	26.0	27.6
1781.6	1731.6	6.86	6.59	6.52	1781.6	28.6	31.2	33.5	23.3	25.8	27.3
1821.1	1771.1	6.90	6.59	6.52	1821.1	28.6	30.9	33.0	22.7	25.1	26.6
1860.5	1810.5	6.94	6.68	6.63	1860.5	28.6	30.7	32.3	22.1	24.6	26.4
1873.7	1823.7	6.89	6.67	6.63	1873.7	28.6	30.6	32.3	21.9	24.4	26.3
1886.8	1836.8	7.00	6.74	6.72	1886.8	28.6	30.6	32.3	21.7	24.2	26.1
1900.0	1850.0	7.00	6.79	6.75	1900.0	28.7	30.6	32.2	21.6	24.1	26.0

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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED RoHS compliant
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Frequency Mixer

TUF-11AHSM

Typical Performance Data

RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+14	+17	+20	+14	+17	+20		+14	+17	+20
1400.0	2.21	2.14	2.04	2.07	2.49	3.00	40.0	1.30	1.24	1.25
1437.5	2.03	1.96	1.87	2.02	2.36	2.93	50.0	1.27	1.21	1.21
1477.5	1.85	1.78	1.70	2.05	2.40	2.96	75.0	1.20	1.13	1.14
1490.0	1.80	1.73	1.65	2.05	2.42	2.99	100.0	1.16	1.08	1.09
1515.0	1.69	1.63	1.56	2.03	2.40	2.98	110.0	1.15	1.07	1.08
1555.0	1.53	1.47	1.43	2.03	2.41	2.92	145.0	1.14	1.04	1.06
1580.0	1.41	1.37	1.35	2.04	2.43	2.95	182.5	1.13	1.03	1.05
1592.5	1.37	1.35	1.35	2.02	2.40	2.94	200.0	1.13	1.02	1.05
1630.0	1.30	1.30	1.32	2.03	2.39	2.92	227.5	1.13	1.02	1.06
1670.0	1.21	1.25	1.30	2.04	2.39	2.87	250.0	1.13	1.02	1.06
1682.5	1.18	1.24	1.29	2.03	2.39	2.85	275.0	1.13	1.03	1.07
1707.5	1.14	1.22	1.30	2.01	2.37	2.84	287.5	1.13	1.03	1.08
1745.0	1.10	1.20	1.29	2.02	2.38	2.87	312.5	1.13	1.04	1.10
1772.5	1.08	1.19	1.28	2.02	2.38	2.88	347.5	1.13	1.06	1.12
1785.0	1.08	1.19	1.29	2.02	2.37	2.85	382.5	1.13	1.09	1.14
1822.5	1.09	1.21	1.32	2.01	2.36	2.85	400.0	1.14	1.10	1.16
1862.5	1.14	1.25	1.36	2.00	2.37	2.98	430.0	1.14	1.12	1.18
1875.0	1.16	1.27	1.38	2.00	2.35	2.93	465.0	1.16	1.15	1.21
1887.5	1.19	1.29	1.40	2.00	2.33	2.86	487.5	1.17	1.17	1.23
1900.0	1.22	1.31	1.41	2.00	2.31	2.81	500.0	1.18	1.18	1.24