

# Frequency Mixer

## HJK-19MH

### Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB)			LO (MHz)	LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			LO (MHz)	RF (MHz)	IP-3 Input (dBm)
		@LO (dBm)				@LO (dBm)			@LO (dBm)					@LO (dBm)
		+10	+13	+16		+10	+13	+16	+10	+13	+16			+13
1850.0	1780.0	7.60	7.40	7.39	1780.0	30.0	29.8	30.2	27.0	25.6	25.4	1780.0	1850.0	28.6
1856.0	1786.0	7.60	7.40	7.39	1786.0	30.2	30.1	30.1	26.4	25.9	25.3	1786.0	1856.0	29.1
1862.0	1792.0	7.61	7.42	7.41	1792.0	30.0	30.1	29.9	26.3	25.9	25.4	1792.0	1862.0	29.3
1868.0	1798.0	7.62	7.44	7.44	1798.0	29.3	29.8	29.9	25.9	25.7	25.5	1798.0	1868.0	28.9
1874.0	1804.0	7.61	7.43	7.44	1804.0	29.9	30.2	29.8	26.7	25.7	25.3	1804.0	1874.0	28.5
1880.0	1810.0	7.58	7.40	7.41	1810.0	29.3	29.4	29.5	26.1	25.2	25.4	1810.0	1880.0	28.3
1886.0	1816.0	7.59	7.39	7.40	1816.0	29.8	29.1	29.6	26.7	25.3	25.4	1816.0	1886.0	28.5
1892.0	1822.0	7.62	7.44	7.44	1822.0	29.4	29.4	29.5	26.1	25.8	25.5	1822.0	1892.0	29.5
1898.0	1828.0	7.62	7.46	7.47	1828.0	29.2	29.3	29.3	26.3	25.7	25.3	1828.0	1898.0	29.2
1904.0	1834.0	7.60	7.47	7.51	1834.0	29.1	28.8	29.1	25.8	25.8	25.4	1834.0	1904.0	30.0
1910.0	1840.0	7.60	7.47	7.51	1840.0	29.1	28.8	28.9	25.9	25.4	25.3	1840.0	1910.0	29.1

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RF/LO (MHz)	RF VSWR (:1)			LO VSWR (:1)			IF (MHz)	IF VSWR (:1)		
	@LO (dBm)			@LO (dBm)				@LO (dBm)		
	+10	+13	+16	+10	+13	+16		+10	+13	+16
1780.0	1.92	1.82	1.81	2.39	2.25	2.20	70.0	1.17	1.35	1.54
1786.0	1.91	1.82	1.81	2.31	2.20	2.10	76.0	1.18	1.35	1.54
1792.0	1.89	1.81	1.80	2.19	2.12	2.02	82.0	1.18	1.36	1.54
1798.0	1.88	1.80	1.79	2.18	2.02	1.93	88.0	1.19	1.36	1.55
1804.0	1.88	1.80	1.79	2.10	1.94	1.86	94.0	1.20	1.36	1.55
1810.0	1.88	1.79	1.92	1.96	1.84	1.80	100.0	1.20	1.37	1.55
1816.0	1.85	1.78	1.77	1.88	1.78	1.76	106.0	1.21	1.37	1.55
1822.0	1.85	1.77	1.76	1.77	1.75	1.72	112.0	1.21	1.37	1.55
1828.0	1.84	1.77	1.75	1.74	1.75	1.70	118.0	1.22	1.38	1.56
1834.0	1.84	1.76	1.74	1.75	1.74	1.70	124.0	1.23	1.38	1.56
1840.0	1.84	1.75	1.73	1.76	1.70	1.70	130.0	1.24	1.39	1.56