

Frequency Mixer (Upconverter)

ZX05-U63-S+

Typical Performance Data

IF INPUT (MHz)	LO INPUT (MHz)	RF OUTPUT (MHz)	CONVERSION LOSS (dB)			LO-IF ISOLATION (dB)			LO-RF ISOLATION (dB)			IP-3 INPUT (dBm)		
			@LO (dBm)			@LO (dBm)			@LO (dBm)			@LO (dBm)		
			+4	+7	+10	+4	+7	+10	+4	+7	+10	+4	+7	+10
2400	3100	5500	6.99	6.17	5.60	15.68	16.49	17.22	42.05	43.23	44.49	6.21	7.88	9.73
2400	3125	5525	6.93	6.03	5.56	15.75	16.60	17.35	40.78	41.99	43.20	6.22	8.02	10.09
2400	3150	5550	7.11	6.19	5.68	15.66	16.53	17.28	41.25	42.24	43.10	6.16	8.27	10.30
2400	3175	5575	7.13	6.30	5.78	15.57	16.46	17.16	42.50	43.35	43.99	6.61	8.27	10.05
2400	3200	5600	6.98	6.30	5.82	15.82	16.71	17.31	41.58	42.95	43.90	6.56	8.28	9.91
2400	3225	5625	7.09	6.38	5.77	15.89	16.80	17.40	40.73	42.05	42.92	6.95	8.40	10.12
2400	3250	5650	7.33	6.37	6.01	15.73	16.71	17.37	40.81	41.76	42.33	6.72	8.40	9.88
2400	3275	5675	7.43	6.61	6.10	15.57	16.51	17.03	41.15	42.22	42.78	6.97	8.42	9.74
2400	3300	5700	7.36	6.59	6.20	15.71	16.57	16.94	40.69	42.29	43.31	7.07	8.78	9.71
2400	3325	5725	7.40	6.66	6.29	15.99	16.94	17.31	39.02	40.24	40.93	7.30	9.28	10.14
2400	3350	5750	7.55	6.89	6.46	15.80	16.75	17.11	39.08	40.18	40.85	7.52	9.03	10.39
2400	3375	5775	7.58	6.84	6.62	15.46	16.30	16.52	39.74	41.20	42.28	7.59	9.22	11.19
2400	3400	5800	7.74	7.06	6.67	15.74	16.52	16.61	39.08	40.60	41.70	8.07	9.34	10.84
2400	3425	5825	7.74	6.98	6.71	16.09	16.88	16.94	37.49	38.78	39.70	8.00	9.73	10.94
2400	3450	5850	8.03	7.15	6.92	15.58	16.33	16.37	38.68	39.88	40.94	9.28	9.85	11.22
2400	3475	5875	8.04	7.21	7.02	15.61	16.25	16.14	38.86	40.24	41.48	8.87	9.76	11.58
2400	3500	5900	8.03	7.43	6.97	15.95	16.51	16.28	37.64	39.03	40.13	9.95	10.75	12.45
2400	3525	5925	8.02	7.41	7.06	15.92	16.57	16.45	37.77	39.03	40.03	9.97	10.15	11.07
2400	3550	5950	8.46	7.56	7.25	15.56	16.26	16.25	38.05	39.25	40.27	11.69	10.18	10.42
2400	3575	5975	8.27	7.58	7.09	15.75	16.39	16.28	38.01	39.63	40.96	11.39	9.94	10.40
2400	3600	6000	8.23	7.53	7.21	15.69	16.24	16.10	37.80	39.48	40.91	11.32	10.13	10.21



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IF/RF MICROWAVE COMPONENTS

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Typical Performance Data

IF INPUT (MHz)	LO INPUT (MHz)	IF VSWR (:1)			LO INPUT (MHz)	LO VSWR (:1)			RF OUTPUT (MHz)	RF VSWR (:1)		
		@LO (dBm)				@LO (dBm)				@LO (dBm)		
		+4	+7	+10		+4	+7	+10		+4	+7	+10
1600	5700.0	5.27	4.66	4.20	3100	2.04	2.63	3.41	5500	1.13	1.28	1.39
1625	5700.0	5.25	4.66	4.21	3125	2.03	2.57	3.29	5525	1.17	1.31	1.43
1650	5700.0	5.23	4.66	4.22	3150	2.02	2.54	3.25	5550	1.17	1.34	1.46
1675	5700.0	5.33	4.74	4.29	3175	2.04	2.57	3.30	5575	1.21	1.37	1.50
1700	5700.0	5.20	4.63	4.19	3200	2.09	2.60	3.30	5600	1.25	1.43	1.56
1750	5700.0	5.30	4.75	4.32	3225	2.10	2.55	3.19	5625	1.29	1.45	1.59
1800	5700.0	5.20	4.68	4.25	3250	2.10	2.52	3.15	5650	1.31	1.50	1.66
1850	5700.0	5.25	4.78	4.37	3275	2.11	2.54	3.18	5675	1.33	1.52	1.69
1900	5700.0	5.02	4.56	4.17	3300	2.15	2.58	3.22	5700	1.40	1.62	1.79
1950	5700.0	5.00	4.62	4.27	3325	2.18	2.56	3.15	5725	1.44	1.65	1.83
2000	5700.0	4.82	4.43	4.09	3350	2.19	2.53	3.09	5750	1.48	1.70	1.89
2050	5700.0	4.77	4.46	4.16	3375	2.17	2.53	3.12	5775	1.48	1.70	1.90
2100	5700.0	4.51	4.22	3.94	3400	2.22	2.58	3.16	5800	1.57	1.81	2.01
2150	5700.0	4.35	4.12	3.90	3425	2.22	2.54	3.08	5825	1.59	1.84	2.03
2200	5700.0	4.13	3.92	3.71	3450	2.22	2.51	3.02	5850	1.60	1.86	2.07
2250	5700.0	3.93	3.75	3.58	3475	2.21	2.51	3.05	5875	1.61	1.88	2.09
2300	5700.0	3.76	3.58	3.43	3500	2.24	2.53	3.07	5900	1.67	1.92	2.13
2350	5700.0	3.54	3.34	3.22	3525	2.26	2.52	3.02	5925	1.72	1.98	2.22
2400	5700.0	3.35	3.15	3.05	3550	2.28	2.52	3.01	5950	1.64	1.90	2.13
2450	5700.0	3.13	2.91	2.82	3575	2.30	2.53	3.04	5975	1.69	1.97	2.21
2500.1	5700.0	2.90	2.67	2.59	3600	2.30	2.53	3.04	6000	1.64	1.89	2.11



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