

Frequency Mixer (Upconverter)

SIM-U63+

Typical Performance Data

IF INPUT (MHz)	LO INPUT (MHz)	RF OUTPUT (MHz)	CONVERSION LOSS (dB)			LO-IF ISOLATION (dB)			LO-RF ISOLATION (dB)			IP3 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	6.72	6.27	5.88	15.38	16.24	17.13	39.67	40.52	41.38	7.71	8.97	9.94
2400	3150	5550	6.94	6.35	5.97	15.26	16.28	17.20	39.41	40.43	41.31	8.86	9.85	10.90
2400	3200	5600	7.02	6.43	6.04	15.51	16.58	17.49	39.69	40.80	41.65	8.84	10.00	10.89
2400	3250	5650	7.31	6.61	6.17	15.60	16.60	17.46	39.65	40.95	41.91	9.17	9.92	10.50
2400	3300	5700	7.26	6.62	6.27	15.34	16.42	17.28	39.30	40.63	41.69	9.20	10.01	10.50
2400	3350	5750	7.50	6.79	6.42	15.39	16.53	17.30	39.06	40.50	41.58	10.68	10.69	10.99
2400	3400	5800	7.53	6.86	6.57	15.47	16.64	17.25	38.89	40.25	41.14	10.56	11.29	12.00
2400	3450	5850	7.85	7.07	6.70	15.61	16.71	17.15	38.78	39.98	40.72	11.70	11.09	11.34
2400	3500	5900	7.82	7.10	6.79	15.30	16.22	16.60	38.35	39.21	39.62	11.88	11.92	12.65
2400	3550	5950	8.02	7.22	6.85	15.48	16.61	17.08	38.48	39.49	39.92	17.71	13.04	12.62
2400	3600	6000	8.08	7.29	6.87	15.66	16.80	17.29	38.34	39.30	39.65	13.99	11.77	11.68

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IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED RoHS compliant
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



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Typical Performance Data

IF INPUT (MHz)	LO INPUT (MHz)	IF VSWR (:1)			LO VSWR (:1)			RF OUTPUT (MHz)	RF VSWR (:1)		
		@LO (dBm)			@LO (dBm)				@LO (dBm)		
		+4	+7	+10	+4	+7	+10		+4	+7	+10
2300	3100	3.05	2.46	1.99	1.89	2.43	3.08	5500	1.08	1.12	1.21
2350	3150	3.44	2.68	2.13	1.87	2.36	2.96	5550	1.05	1.16	1.26
2400	3200	3.40	2.67	2.14	1.92	2.40	3.04	5600	1.12	1.25	1.35
2417	3250	3.71	2.85	2.24	1.87	2.32	2.92	5650	1.20	1.34	1.46
2433	3300	3.78	2.90	2.27	1.91	2.36	3.00	5700	1.29	1.45	1.57
2450	3350	3.57	2.78	2.21	1.88	2.33	2.89	5750	1.38	1.55	1.69
2466	3400	3.53	2.76	2.21	1.93	2.36	2.96	5800	1.47	1.65	1.80
2475	3450	3.64	2.82	2.25	1.93	2.38	2.95	5850	1.47	1.66	1.80
2483	3500	3.81	2.92	2.30	1.96	2.38	2.96	5900	1.49	1.71	1.85
2489	3550	3.93	3.00	2.35	2.01	2.46	3.04	5950	1.47	1.66	1.81
2494	3600	4.04	3.06	2.38	2.00	2.39	2.94	6000	1.39	1.55	1.70

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