Frequency Mixer MCA-30FLH+

Typical Performance Data

RF (MHz)	LO (MHz)	CONVERSION LOSS (dB) @LO (dBm) +10
2960.0	2780.0	7.53
2970.0	2790.0	7.51
2980.0	2800.0	7.45
2990.0	2810.0	7.44
3000.0	2820.0	7.45
3010.0	2830.0	7.48
3020.0	2840.0	7.52
3030.0	2850.0	7.56
3040.0	2860.0	7.57
3050.0	2870.0	7.57
3060.0	2880.0	7.56

LO (MHz)	LO-RF ISOLATION (dB) @LO (dBm) +10	LO-IF ISOLATION (dB) @LO (dBm) +10
2780.0	34.71	30.54
2790.0	34.88	30.65
2800.0	35.01	30.70
2810.0	35.02	30.73
2820.0	34.99	30.81
2830.0	35.10	30.95
2840.0	35.30	31.22
2850.0	35.48	31.48
2860.0	35.66	31.70
2870.0	35.88	31.95
2880.0	36.21	32.10

LO (MHz)	RF (MHz)	IP3 Input (dBm) @LO (dBm) +10
2780.0	2960.0	25.90
2790.0	2970.0	26.46
2800.0	2980.0	27.12
2810.0	2990.0	27.55
2820.0	3000.0	27.65
2830.0	3010.0	27.40
2840.0	3020.0	26.70
2850.0	3030.0	26.27
2860.0	3040.0	26.09
2870.0	3050.0	26.24
2880.0	3060.0	26.56

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Typical Performance Data

RF/LO (MHz)	RF VSWR (:1) @LO (dBm) +10	LO VSWR (:1) @LO (dBm) +10	IF (MHz)	IF VSWR (:1) @LO (dBm) +10
2780.0	1.64	2.97	130.0	1.46
2790.0	1.66	2.79	140.0	1.48
2800.0	1.68	2.81	150.0	1.50
2810.0	1.73	2.89	160.0	1.52
2820.0	1.79	2.94	170.0	1.53
2830.0	1.85	2.85	180.0	1.55
2840.0	1.88	2.66	190.0	1.58
2850.0	1.91	2.46	200.0	1.62
2860.0	1.93	2.32	210.0	1.65
2870.0	1.95	2.31	220.0	1.69
2880.0	1.97	2.45	230.0	1.72

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