



## SPECIFICATIONS (guaranteed -55°C to +85°C)

Centre Freq (GHz) Min/Max	Tuning Band (MHz) Min	Freq Pushing (MHz/V) Max	Freq Pulling (MHz) Max	Freq Drift (MHz) Max	Phase Noise @ +25°C (dBc/Hz)		Harmonic Related Outputs (dBc) Max	Output Power (dBm) Min	Output Power Variation (dB) Max	Current Consumption @ +15V (mA) Max	Part Number
					@100KHz Max	@1MHz Max					
0.5-0.74	100	1.5	40	30	-105	-125	-14	+10	±2.0	50	MLO 61100
	200	1.5	40	30	-105	-125	-14	+10	±2.0	50	MLO 62100
0.75-1.49	100	5	20	30	-108	-128	-15	+10	±2.0	50	MLO 61100
	200	5	20	35	-108	-128	-10	+10	±2.0	50	MLO 62100
	500	5	20	40	-108	-128	-10	+10	±2.5	50	MLO 63100
1.5 -2.99	100	15	40	40	-108	-128	-15	+10	±2.0	50	MLO 61100
	200	15	40	60	-105	-125	-10	+10	±2.0	50	MLO 62100
	500	15	40	70	-102	-122	-10	+10	±2.5	50	MLO 63100
	1000	15	60	90	-98	-118	-8	+10	±2.5	100	MLO 64100
3.0 -4.49	100	10	40	70	-100	-120	-15	+10	±2.0	50	MLO 61100
	200	10	40	70	-100	-120	-12	+10	±2.0	50	MLO 62100
	500	10	40	90	-100	-120	-10	+10	±2.5	50	MLO 63100
	1000	10	60	110	-100	-120	-10	+10	±2.5	100	MLO 64100
	2000	10	60	120	-98	-118	-10	+10	±2.5	100	MLO 65100
4.5 -5.99	100	10	50	100	-100	-120	-12	+10	±2.0	50	MLO 61100
	200	10	50	100	-100	-120	-12	+10	±2.0	50	MLO 62100
	500	10	50	110	-95	-115	-12	+10	±2.5	50	MLO 63100
	1000	16	70	110	-90	-110	-10	+10	±2.5	100	MLO 64100
	2000	16	70	120	-85	-105	-10	+10	±2.5	100	MLO 65100
6.0 -8.0	3000	35	70	130	-80	-100	-10	+10	±2.5	100	MLO 66100
	200	30	30	180	-85	-105	-12	+10	±2.0	100	MLO 62100
	500	30	30	200	-85	-105	-12	+10	±2.0	100	MLO 63100
	1000	30	30	220	-80	-100	-10	+10	±2.5	100	MLO 64100
	2000	30	30	220	-75	-95	-10	+10	±2.5	100	MLO 65100
	3000	30	30	250	-70	-90	-10	+10	±2.5	100	MLO 66100
	4000	30	40	250	-60	-80	-10	+10	±2.5	100	MLO 67100

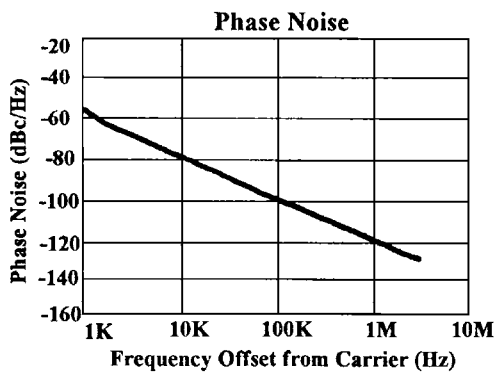
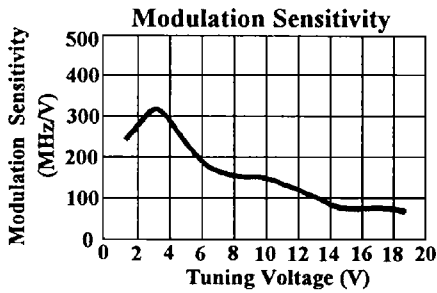
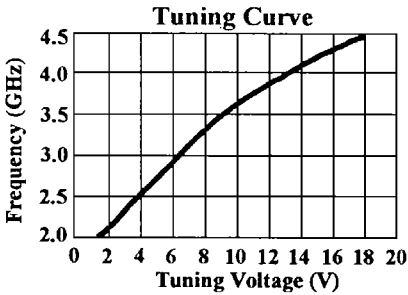
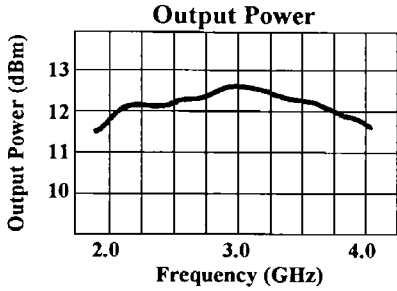
## NOTES

- 1) Frequency pushing See above for voltages +15V ± 5%.
- 2) Frequency pulling See above into a 1.5:1 VSWR load all phases.
- 3) Spurious outputs -60dBc maximum
- 4) Tuning voltage in the range 0 to +20V, or other if required, please contact the factory for details.
- 5) Case Operating temperature range -55°C to +85°C  
Storage temperature range -55°C to +100°C
- 6) When ordering please specify the centre frequency required in MHz as a 5 digit suffix to the part number above e.g. for a centre frequency of 5000 MHz, bandwidth of 200 MHz the part number would be MLO 62100-05000.

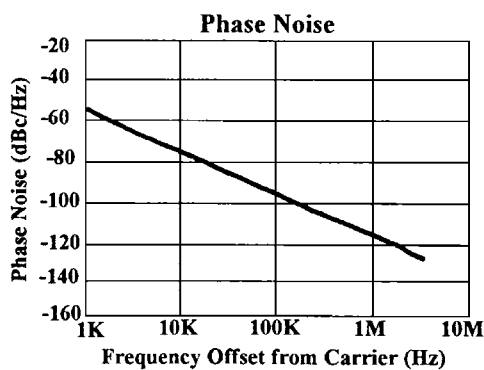
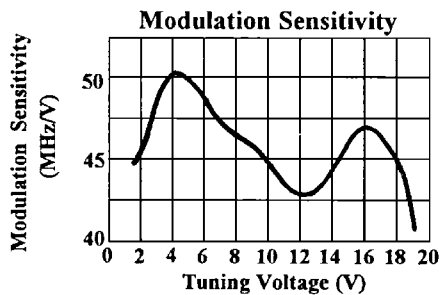
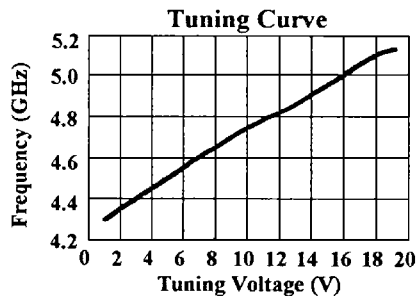
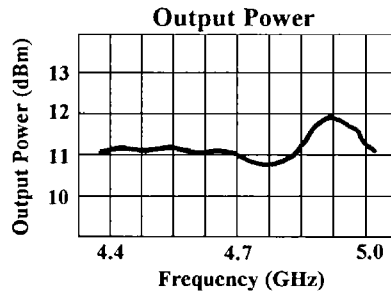
Specifications Subject to Change Without Notice.

TYPICAL PERFORMANCE

PART NO. MLO65100-03000



PART NO. MLO63100-04700



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