

# OSCILLATORS

## MICROWAVE OSCILLATORS

### VOLTAGE CONTROLLED OSCILLATORS (VCO)



## MQE900/MQK/MQL Series



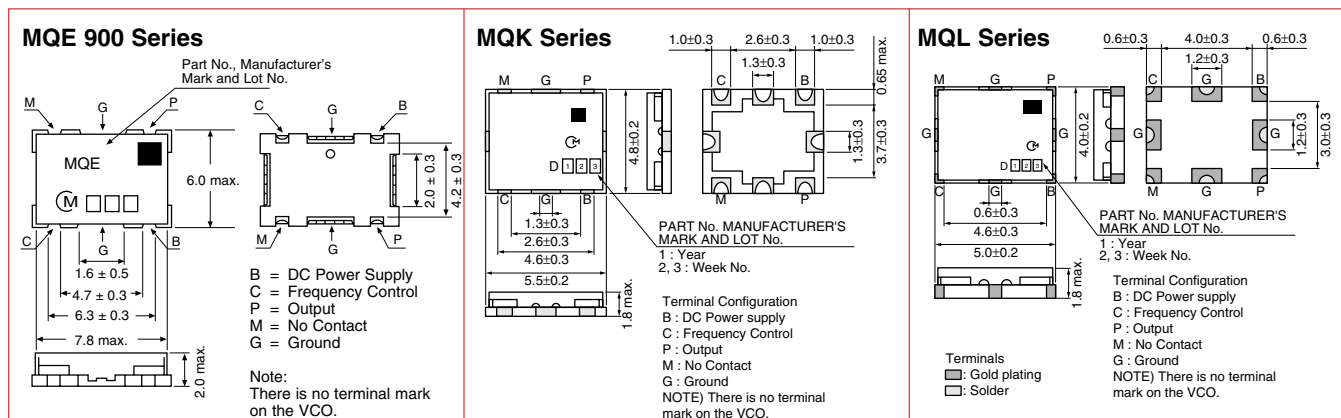
### FEATURES

- Small and lightweight
- Low power consumption
- Excellent temperature stability

### APPLICATIONS

- Mobile and hand held telephone
- Cordless telephone
- Personal radio
- MCA radio

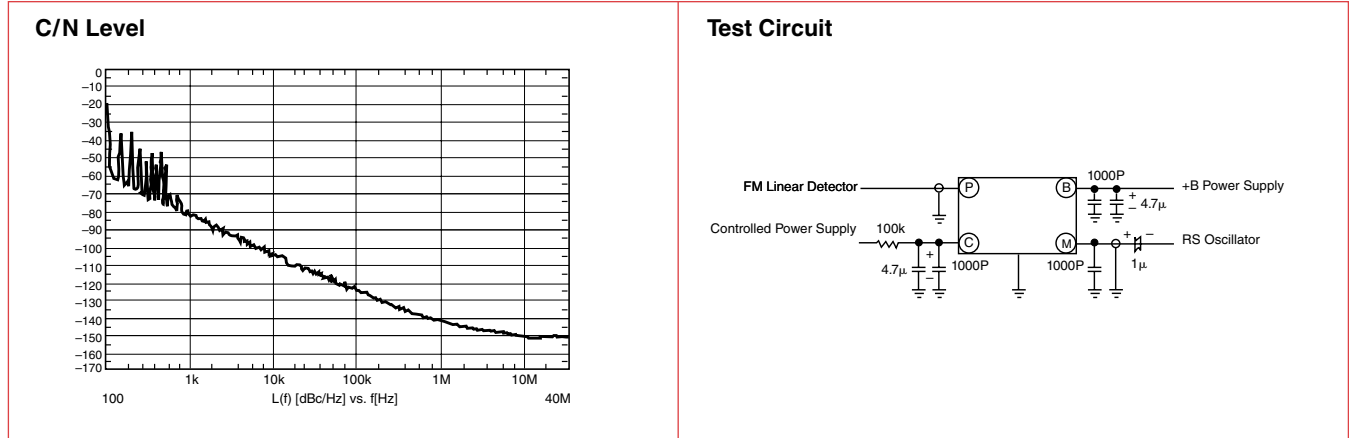
### DIMENSIONS: mm



### MQ□ Series

Application (System)	Part Number	Frequency (MHz)	VB	Vc (V)	Control Voltage Sensitivity (MHz/V)	Output Level (dBm)	Power Consumption (mA Max)	C/N (DBc/Hz)	Separation (KHz)	
<b>MQE900 Series</b>										
AMPS/CDMA/TDMA	Tx	MQE915-926	914.0~939.0	3.00	0.5~2.5	≥16	≥-6.0	8.0	≥98	10.0
		MQE917-967A	952.0~980.0	2.60	0.7~2.5	≥23	-1 ± 3	8.0	≥119	60.0
		MQE912-991A	978.0~1004.0	2.50	0.6~2.2	27 ± 4	-1.5 ± 3	7.0	≥108.5	20.0
PCS	Tx/Rx	MQE918-836	824.5~849.5	2.70	0.5~2.5	21 ± 4	≥-4	8.0	≥111	60.0
		MQE911-1035	1007.0~1064.0	3.30	0.6~2.6	44 ± 8	≥-5	6.0	≥115	60.0
		MQE925-1750	1720.0~1780.0	3.00	0.3~2.5	40 ± 7	-1.5 ± 2.5	9.0	≥90	10.0
GSM	Rx	MQE911-766A	742.0~790.0	3.75	0.6~3.0	30 ± 5	-1.5 ± 2.5	10.0	≥80	10.0
		MQE9P7-897	880.0~915.0	3.00	0.5~2.5	30 ± 6	12 ± 2	60.0	≥120	150.0
		MQE9PD-897	880.0~915.0	2.70	0.5~1.9	40 ± 8	7 ± 2.5	40.0	≥75	20.0
DCS	Rx	MQE920-1655	1614.0~1697.0	3.60	0.5~3.1	42 ± 5	-1.5 ± 2.5	10.0	≥140	3000.0
		MQE920-1668	1627.0~1710.0	3.75	0.5~3.1	44 ± 6	0 ± 3	10.0	≥80	10.0
		MQE9PE-1747	1704.0~1791.0	2.75	0.8~2.25	70 ± 10	7.5 ± 2.5	50.0	≥111	150.0
PDC800	Tx	MQE9PF-1747	1710.0~1785.0	2.70	0.6~2.1	70 ± 11	7 ± 2.5	40.0	≥75	20.0
		MQE911-1071	1054.55~1087.55	2.20	0.5~2.3	30 ± 5	-4 ± 3	7.5	≥113	50.0
		LMR	MQE911-815	805.5~825.5	3.00	0.5~3.0	18 ± 4	≥-3	8.0	≥101
MOBITEX	Tx	MQE911-896	889.5~902.5	3.00	0.5~3.0	≥5.0	≥-3	8.0	≥98	12.5
ISM915	1stLO	MQE911-915	905.0~925.0	3.00	0.5~2.5	≥19	≥-6	7.0	≥107	30.0
DECT	Tx	MQE921-1840	1760.0~1920.0	2.80	0.3~2.4	95 ± 12	0 ± 3	10.0	≥91	10.0
WLAN	1stLO	MQE920-2079	2029.0~2129.0	3.00	0.5~2.5	65 ± 10	0 ± 4	13.0	≥85	20.0
		MQE920-2162	2112.0~2212.0	3.00	0.5~2.5	62 ± 8	-1 ± 3	12.0	≥105	100.0
		MQE920-2165	2040.0~2290.0	5.00	0.6~4.4	82 ± 10	0 ± 4	10.0	≥108	100.0
		MQE920-2450	2400.0~2500.0	4.50	1.5~3.5	≥55	0 ± 4	12.0	≥83	10.0
		MQE922-2450	2400.0~2500.0	3.00	0.4~2.4	65 ± 10	-1 ± 4	12.0	≥75	10.0
<b>MQK Series</b>										
GSM/DCS	1stLO	MQK001-927	880.0~975.0	2.80	0.5~2.3	71 ± 10	-6 ± 3	8.0	≥92	250.0
CDMA	1stLO	MQK002-967	954.0~980.0	2.95	0.7~2.7	24 ± 6	-1.5 ± 3	8.5	≥118	60.0
TDMA	1stLO	MQK001-1016A	981.0~1052.0	2.50	0.9~3.65	32 ± 3	-0.5 ± 2.5	7.0	≥117.5	60.0
WLL	1stLO	MQK301-1528	1466.0~1590.0	2.70	0.5~3.65	70 ± 10	1 ± 3	12.0	≥120.0	600.0
<b>MQL Series</b>										
EPDC	1stLO	MQL005-717	680.0~755.5	2.30	0.5~2.5	50 ± 5	-2 ± 3	6.6	≥92	250.0
WCDMA	1stLO	MQL001-760	760.0~760.0	2.50	0.5~2.0	20 ± 4	-3 ± 2.5	4.5	≥135	10000.0
		MQL304-2330	2300.0~2360.0	2.20	0.5~3.5	50 ± 9	-0 ± 3	8.5	≥90	10.0
JCDMA	1stLO	MQL002-946	920.0~972.0	3.70	0.6~3.0	32.5 ± 4.5	0 ± 3	10.0	≥83	10.0
PHS	1stLO	MQL3H2-1668	1648.0~1688.0	2.70	0.5~2.2	35 ± 5	≥-6.5	≤8	≥110	100.0
PDC1.5G	1stLO	MQL302-1619	1607.05~1631.05	2.50	0.45~2.45	27 ± 6	-3 ± 3	≤7	≥100	100.0
DCS1800	1stLO	MQL302-1840	1790.0~1891.0	3.70	0.6~3.0	63.5 ± 8	0 ± 3	10.0	≥143	3000.0
GSM1900	1stLO	MQL302-1960	1920.0~2000.0	3.70	0.6~3.0	55 ± 7	0 ± 3	10.0	≥143	3000.0
		MQL301-1964	1920.0~2009.0	3.60	0.6~3.0	55 ± 7	-1.5 ± 3	10.0	≥143	3000.0

**VCO TYPICAL CHARACTERISTICS**



**MOUNTING AND PACKAGING – MQE9**

