

# NEW!

# VCOs FOR THE REAL WORLD



The new MW400 Series is one of Micronetics Wireless smallest, most versatile, and low cost commercial VCO families. At .315" x .236" x .075", the MW400 is ideal for use in handsets, as well as in mobile radios and subscriber units where space is at a premium. Large volumes are available on tape and reel.

### FEATURES

- Excellent phase noise
- Excellent tuning linearity
- Low current consumption
- Temperature stability: -40 to 85° C
- Multi-layer design
- Laser-trimmed
- 100% electronically tested

### APPLICATIONS

- CDMA
- GSM
- GSM-900
- DCS-1800
- Cordless
- Personal Communications
- Point-to-Point Communications

### MW400 SERIES

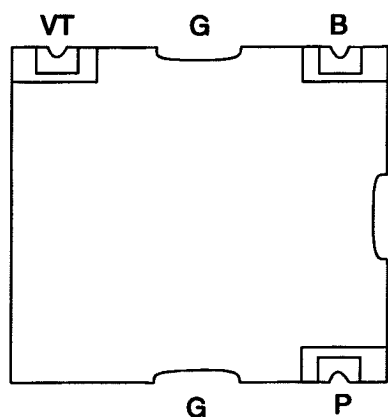
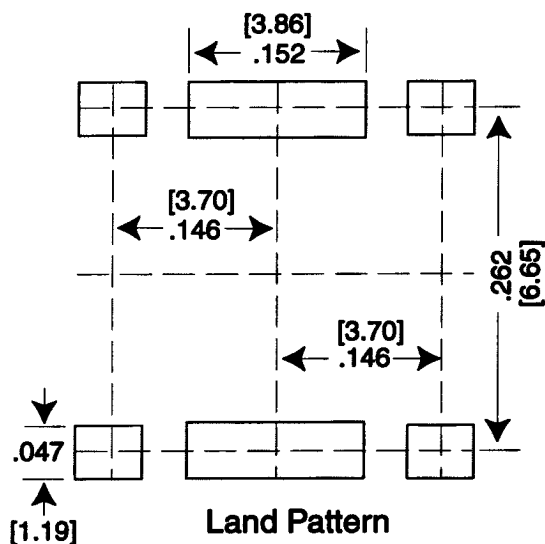
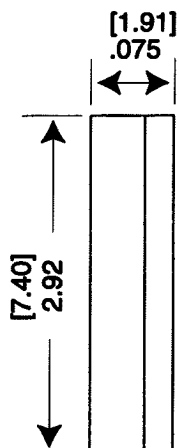
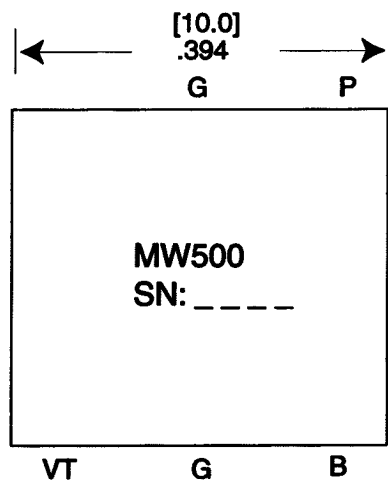
Frequency Range [MHz]	Supply Voltage [V]	Supply Current [mA]	Output Power [dBm]	Control Volt - Range [V]	Tuning Sensitivity [MHz/V]	Phase Noise		Phase Noise		Harmonic [dBc]	Pushing [MHz/V]	Pulling [MHz]	Operating Temp. °C	Application	Part Number
						Freq. [kHz]	[dBc/Hz]	Freq. [kHz]	[dBc/Hz]						
634 - 669	+5	<20	7±2	1-4	<1.5:1	200	-125	600	-137	-22	<1	<3	-40 - +85°	EGSM	410
668 - 703	+5	<20	7±2	1-4	<1.5:1	200	-125	400	-135	-20	<1	<1	-40 - +85°	EGSM	412
723 - 746	+5	<20	7±2	1-4	<1.5:1	200	-128	600	-137	-25	<1	<1	-20 - +80°	GSM 900	413
806 - 825	+3	<25	7±2	0.5-2.5	<1.5:1	25	-108	600	-132	-20	<2	<2	-20 - +60°	GSM	407
890 - 915	+3	<10	1±3	0.5-2.5	<1.5:1	10	-98	400	-130	-10	<2	<2	-20 - +60°	PHS	406
950 - 985	+3	<10	1±3	0.2-2.8	<1.5:1	10	-100	400	-130	-10	<2	<3	-20 - +60°	CDMA	414
1006 - 1031	+5	<10	3±3	1-4	<1.5:1	10	-93	25	-107	-25	<2	<2	-40 - +85°	GSM	404
1160 - 1185	+3	<10	3±3	0.5-2.5	<1.5:1	10	-96	400	-128	-20	<2	<2	-20 - +60°	PHS	405
1464 - 1539	+5	<20	7±2	1-4	<1.5:1	200	-124	600	-133	-20	<2	<3	-40 - +80°	DCS RX	408
1548 - 1623	+5	<20	7±2	1-4	<1.5:1	200	-118	600	-129	-20	<1	<2	-40 - +80°	DCS TX	409
1540 - 1640	+3	<7	-3±3	0.5-2.5	<1.5:1	10	-92	400	-123	-10	<2	<3	-20 - +60°	DCS 1800	401
1548 - 1700	+5	<20	7±2	1-4	<1.5:1	200	-123	600	-133	-20	<1	<2	-20 - +80°	CORDLESS	415
1585 - 1645	+5	<20	7±2	1-4	<1.5:1	200	-110	600	-120	-20	<1	<2	-40 - +80°	DCS TX	420
1640 - 1740	+3	<10	0±3	0.5-2.5	<1.5:1	200	-115	600	-127	-20	<3	<3	-40 - +85°	HANDSET	417
1662 - 1742	+5	<20	7±3	1-4	<1.5:1	10	-95	100	-115	-20	<2	<3	-40 - +85°	CORDLESS	419
1705 - 1790	+3	<10	-3±3	0.5-2.5	<1.5:1	10	-90	400	-121	-10	<2	<3	-20 - +60°	DCS 1800	402
1780 - 1900	+3	<10	0±3	0.3-2.5	<1.5:1	10	-92	100	-112	-20	<2	<3	-40 - +85°	POINT-POINT	418
1850 - 1910	+3	<10	-3±2	0.5-2.5	<1.5:1	10	-95	400	-125	-15	<1	<1	-40 - +85°	PCS TX	403

# MICRONETICS

WIRELESS



# PACKAGE OUTLINE



P= Output  
 B= Power Supply  
 VT= Tuning Voltage  
 G= Ground

**NOTE:**

1. There is no mark of terminals on the product.
2. Unit: mm

# MICRONETICS

W I R E L E S S

