

HOW TO ORDER

M3500 VCO SPECIFICATIONS

MODEL	FREQUENCY RANGE MHz TYP.	POWER OUTPUT dBm TYP.	TUNING VOLTAGE VDC TYP.	PHASE NOISE dBc/Hz SSB @ OFFSET FREQUENCIES				PULLING MHz PK-PK @12dB R.L. TYP.	PUSHING MHz/V @12dB R.L. TYP.	TUNING SENSITIVITY (Kv)MHz/V TYP.	HARMONICS dBc TYP.	CURRENT @+12V mA TYP.
				1 kHz TYP.	10kHz TYP.	100kHz TYP.	1MHz TYP.					
M3500-0102*	100 - 200	+11.0	1.3 - 12.9	-85	-102	-118	-130	3.0	0.2	6.25 - 10	-4.0	27
M3500-0103*	150 - 300	+12.0	1.7 - 14.4	-82	-102	-118	-130	4.0	0.4	7.5 - 14.5	-4.0	26
M3500-0204*	200 - 400	+12.5	1.6 - 15.4	-80	-101	-118	-130	5.0	0.3	9.8 - 18.5	-4.5	26
M3500-0305	300 - 500	+12.0	1.6 - 14.0	-78	-100	-118	-130	8.0	1.5	12 - 21	-4.0	26
M3500-0306*	300 - 600	+9.5	1.0 - 15.2	-78	-96	-116	-130	8.0	0.7	15 - 26	-11.0	26
M3500-0408*	400 - 800	+10.0	0.9 - 15.6	-73	-95	-114	-129	10.0	1.0	19 - 37	-12.0	26
M3500-0510*	500 - 1000	+12.5	0.8 - 13.5	-72	-94	-114	-128	10.0	0.6	30 - 50	-11.0	33
M3500-0612	600 - 1200	+7.0	0.6 - 15.4	-72	-94	-114	-127	13.0	1.0	30 - 52	-10.0	22
M3500-0613	650 - 1300	+8.0	0.5 - 13.6	-69	-92	-112	-125	15.0	1.5	35 - 60	-11.0	22
M3500-0916	900 - 1600	+7.0	1.0 - 10.5	-66	-90	-110	-124	16.0	1.5	55 - 91	-12.0	22
M3500-1324	1350 - 2400	+7.0	1.0 - 12.0	-	-85	-106	-124	34.0	4.0	57 - 132	-12.0	20
M3500-2032	2000 - 3200	+10.0	2.0 - 14.0	-	-82	-100	-118	6.0	3.5	85 - 122	-15.0	45
M3500-2235	2250 - 3500	+9.0	1.4 - 16.0	-	-83	-99	-118	1.5	7.0	67 - 120	-20.0	35

Selecting a Package Style

Add "T" for pin type (.81" sq)
Add "S" for surface mount (.91")
Add "M" for .50" surface mount

*AVAILABLE IN .50" SURFACE MOUNT PACKAGING

M3500 VCO APPLICATIONS

APPLICATION	FREQUENCY RANGE (MHz)	M3500 VCO No.
HIGH BAND MOBILE	150 — 175	0103
HIGH BAND VHF TV	175 — 215	0103
UHF MOBILE	450 — 570	0306
NMT-450 (NORDIC MOBILE TELEPHONE)	453 — 468	0306
UHF TV	475 — 800	0408
CELLULAR TRUNKING SMR	800 — 900	0510
AMPS ADVANCED MOBILE PHONE SERVICE	824 — 894	0510
IS-95A (NORTH AMERICAN DIGITAL CELLULAR)	824 — 894	0510
IS-136 (PERSONAL DIGITAL CELLULAR)	824 — 894	0510
GSM (GLOBAL SYSTEM FOR MOBILE COMMUNICATIONS)	890 — 960	0510
NMT-900 (NORDIC MOBILE TELEPHONE)	890 — 960	0510
PDC (PERSONAL DIGITAL CELLULAR)	810 — 1506	0916
SATELLITE	900 — 1450	0916
GPS (GLOBAL POSITION SATELLITE)	980 — 1680	0916
DECT (DIGITAL EUROPEAN CORDLESS TELEPHONE)	1880 — 1925	1324
TV-RELAY-MMDS-IFTS	1700 — 2695	1324
PERSONAL COMMUNICATIONS	1710 — 1880	1324
IEEE 802.11 (WIRELESS LANs)	2400 — 2499	2235