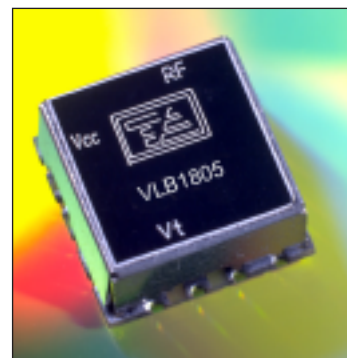


VOLTAGE CONTROLLED OSCILLATORS SURFACE MOUNT - LOW COST FOR WIRELESS APPLICATIONS

Features

- Exceptional phase noise
- Surface Mount package
- 3 V power supply available

Electrical characteristics



Model N°	Frequency range (MHz)	Power output (dBm) typ.	Tuning voltage (V)	Phase noise @ 10 KHz (dBc/Hz)	Phase noise @ 100 KHz (dBc/Hc)	Phase noise @ 800 KHz (dBc/Hz)	2nd harmonic (dBc)	Power supply (V/mA)	Package
VLA195	195-220	8	1 to 14	-110	-130		-8	12 / 20	SM1
VLA255	255-320	0	1 to 9	-100	-120		-10	8 / 20	SM1
VLB335	335-385	0	0 to 10	-85	-105		-20	5 / 25	SM1
VLB360	360-440	5	1 to 5	-100	-120		-10	5 / 25	SM1
VLB390	380-400	0	0 to 5	-117	-137		-12	5 / 15	SM1
VLB380	380-430	0	0 to 5	-112	-132		-12	5 / 15	SM1
VLB408	408-470	2	1 to 8	-100	-120		-10	8 / 25	SM1
VLB445	445-495	0	0 to 10	-85	-105		-20	5 / 25	SM1
VLB809	809-845	5	0.5 to 5	-115	-135	-154	-12	5 / 25	SM1
VLB900	900-1000	5	0.5 to 5	-88	-108		-12	5 / 25	SM1
VLB925	925-960	3	1.5 to 6.5	-115	-135	-154	-12	5 / 25	SM1
VLB950	950-986	3	1 to 6	-115	-135	-154	-12	5 / 25	SM1
CR960	960 ± 10	2	1 to 4.5	-105	-125		-10	4.5 / 15	SM1
VLB1250	1250-1350	3	1 to 8	-100	-120		-12	8 / 25	SM1
VLB1450	1450-1550	3	1 to 8	-105	-125	-145	-12	5 / 25	SM1
VLB1500	1500-1650	1	1 to 8	-97	-117	-137	-12	8 / 16	SM1
VLB1511	1511-1586	4	1 to 8	-105	-125	-145	-12	8 / 25	SM1
VLB1594	1594-1669	3	1 to 6.5	-105	-125	-145	-15	8 / 25	SM1
VLB1750	1750-1900	1	1 to 8	-97	-117	-137	-12	8 / 16	SM1
VLB1800	1800-2700	1	0 to 19	-85	-105		-8	12 / 25	SM1
CR1877	1877 ± 10	-2	0 to 10	-100	-120		-10	5 / 10	SM1
VLB2430	2430-2470	2	0 to 12	-95	-115		-12	8 / 20	SM1
VLB2650	2650-2850	2	0 to 12	-90	-110		-12	8 / 20	SM1
VL3-240	240-400	3	1 to 15	-105	-125		-10	12 / 12	SM2
VL3-681	681-716	0	1 to 8	-115	-135	-154	-15	8 / 20	SM2
VL3-746	746-785	0	1 to 8	-115	-135	-154	-15	8 / 20	SM2
VL3-820	820-880	3	1.5 to 8	-100	-120		-12	9 / 30	SM2
VL3-880	880-915	6	1 to 8	-100	-120		-12	8 / 40	SM2
VL3-960	960-1600	11	1 to 14	-95	-115		-10	12 / 45	SM2
VL3-990	990-1050	3	1.5 to 8	-100	-120		-12	9 / 30	SM2
VL3-1079	1079-1114	5	1 to 8	-110	-130	-154	-10	5 / 40	SM2
VL3-1100	1100-1160	3	1.5 to 8	-100	-120		-12	9 / 30	SM2
VL3-1170	1170-1230	4	1 to 8	-110	-130		-15	8 / 20	SM2
VL3-1450	1450-1850	11	1 to 12	-95	-115		-12	12 / 25	SM2
VL3-1480	1480-1600	8	2 to 10	-98	-118		-15	12 / 30	SM2
VL3-1615	1615-1715	8	2 to 10	-98	-118		-15	12 / 30	SM2
VL3-1800	1800-2300	11	1 to 13	-95	-115		-12	12 / 25	SM2
VL3-2200	2200-2600	10	1 to 13	-95	-115		-12	12 / 25	SM2

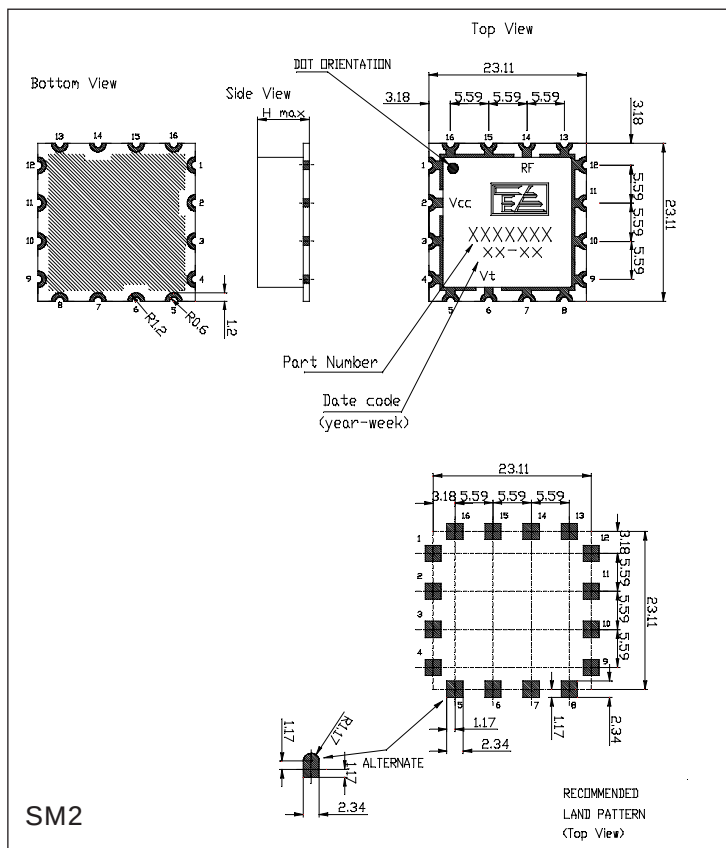
Applications

- Wireless local loop
- CATV

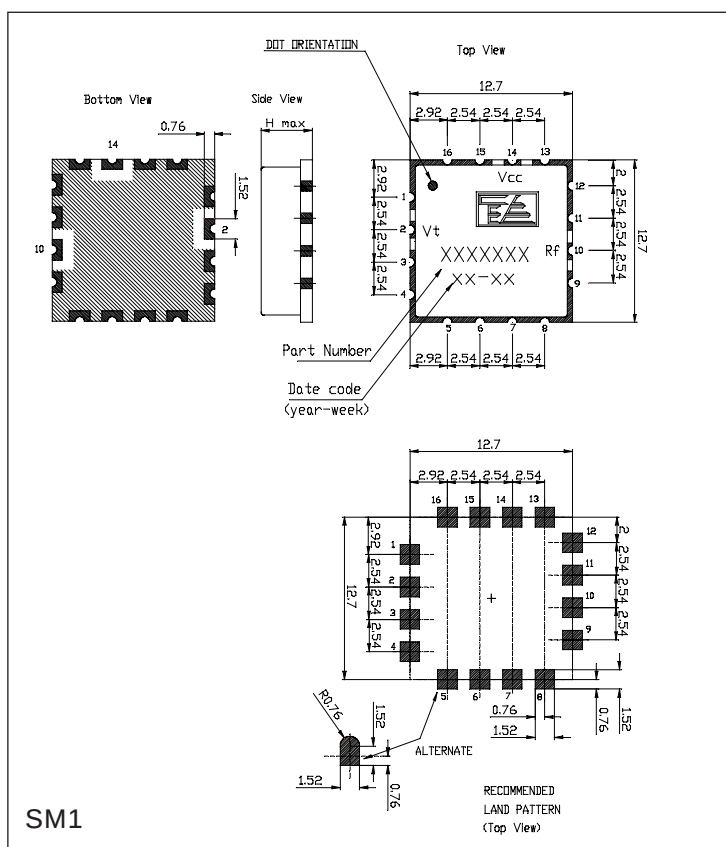
Surface mount - Low cost



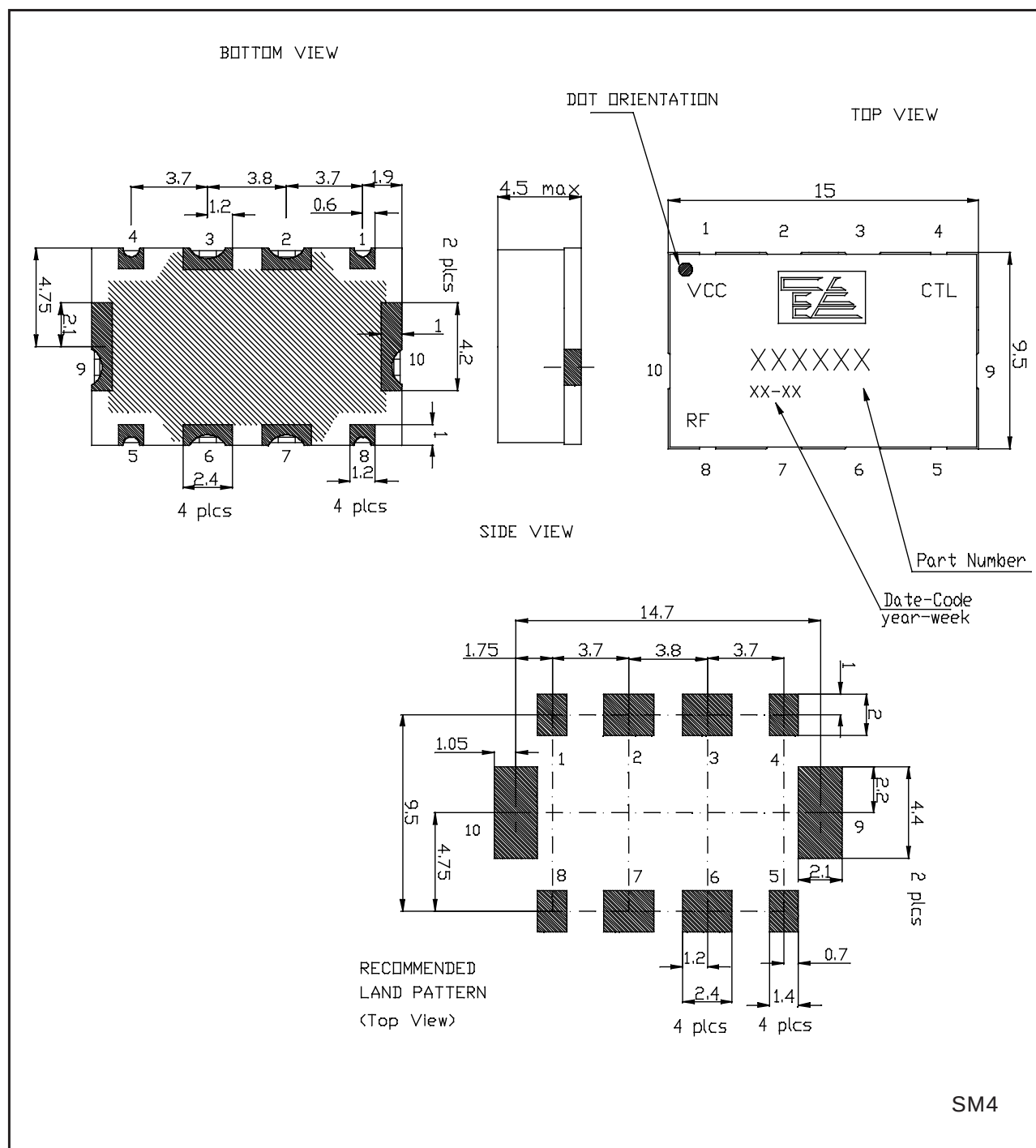
Case drawings



VCO Type	Height max in mm
VL2	8
VL3	5.3



VCO Type	Height max in mm
VLA	6
VLB	4.1
VLC	3.2

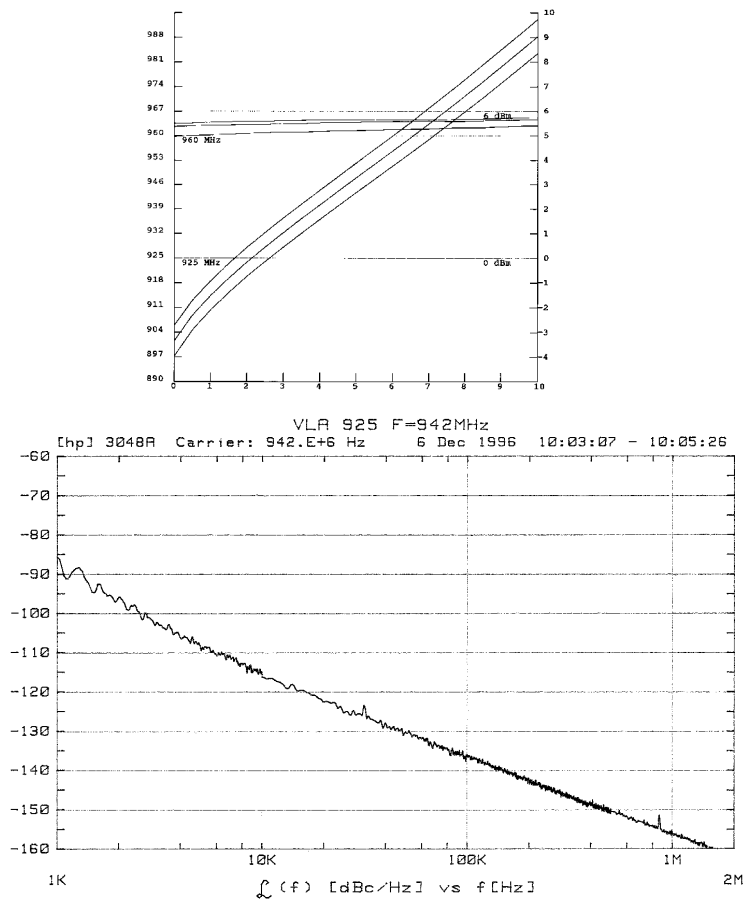


VOLTAGE CONTROLLED OSCILLATORS

Surface mount - Low cost



VLB925



VLB1904

