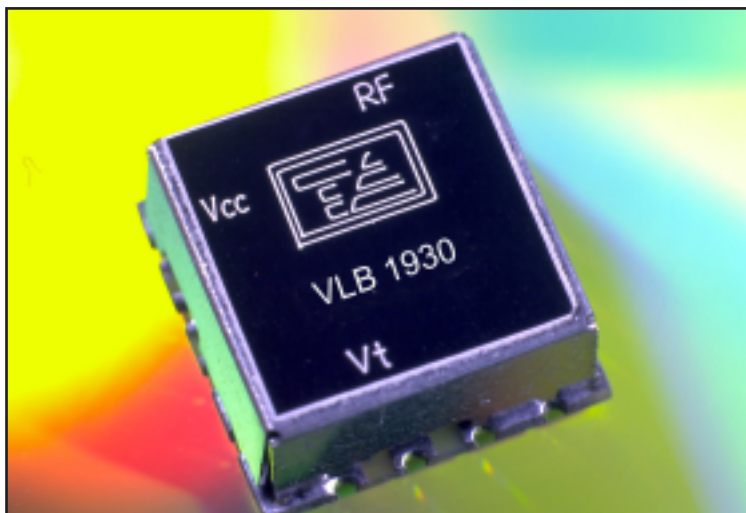


▶ VOLTAGE CONTROLLED OSCILLATORS



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VOLTAGE CONTROLLED OSCILLATORS SURFACE MOUNT - LOW COST VL SERIES

Features

- Miniature Surface Mount package
- Frequency range: 430 to 2500 MHz

Operating characteristics

- Operating temperature: **NEW!** -10° C / + 75° C
- Power supply: 5 V ; 25 mA
3 V

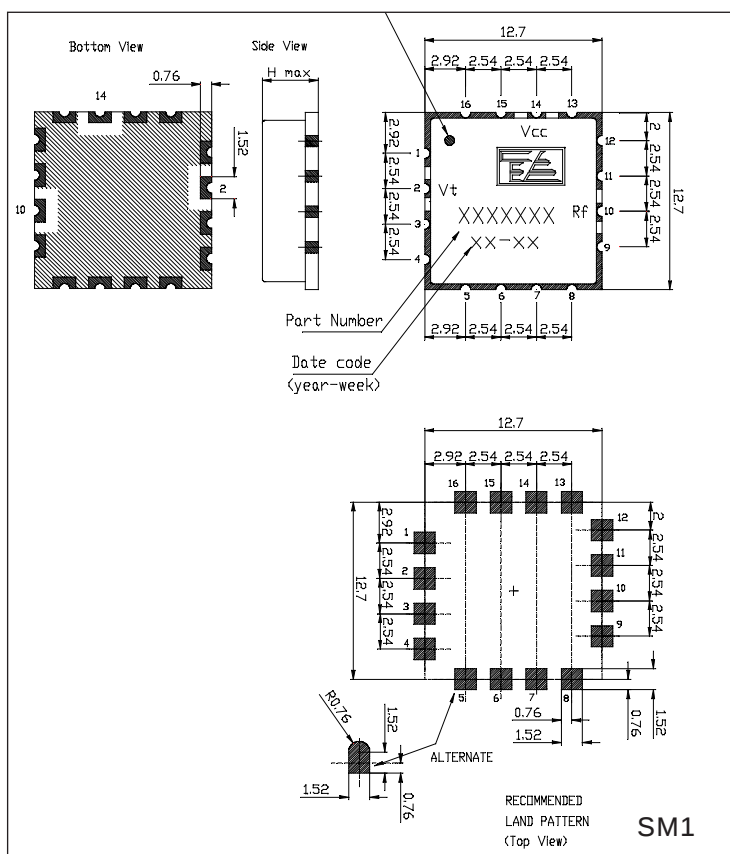
Applications

- Wireless or RF communications
- CATV
- RF modems

Pin configuration

P1	P2	P3
RF out	Control voltage	Supply voltage

Case drawing



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

VOLTAGE CONTROLLED OSCILLATORS

Surface mount - Low cost



Electrical characteristics

Model N°	Frequency range (MHz)	Power output (dBm)	Tuning voltage	Phase noise @10 KHz (dBc/Hz)	Phase noise @100KHz (dBc/Hz)	2nd Harmonic (dBc)	Average gain (MHz/V)
VL430	430 - 450	6	+ 0.5 to + 5	- 90	- 110	- 10	5
VL460	445 - 485	5	+ 0.5 to + 5	- 90	- 110	- 15	9
VL500	500 - 600	4	+ 0.5 to + 5	- 88	- 108	- 15	22
VL600	600 - 700	4	+ 0.5 to + 5	- 88	- 108	- 15	22
VL700	700 - 800	4	+ 0.5 to + 5	- 88	- 108	- 15	22
VL730	715 - 745	5	+ 0.5 to + 5	- 88	- 108	- 15	7
VL800	800 - 920	4	+ 0.5 to + 5	- 88	- 108	- 15	27
VL830	815 - 845	4	+ 0.5 to + 5	- 90	- 110	- 15	7
VL840	840 - 970	4	+ 0.5 to + 5	- 88	- 108	- 15	30
VL900	900 - 1025	4	+ 0.5 to + 5	- 88	- 108	- 15	28
VL1025	1025 - 1100	4	+ 0.5 to + 5	- 88	- 108	- 15	17
VL1050	1050 - 1200	4	+ 0.5 to + 5	- 88	- 108	- 15	33
VL1060	1060 - 1160	4	+ 0.5 to + 5	- 88	- 108	- 15	22
VL1200	1200 - 1350	4	+ 0.5 to + 5	- 85	- 105	- 15	33
VL1300	1300 - 1430	4	+ 0.5 to + 5	- 85	- 105	- 10	30
VL1350	1350 - 1500	4	+ 0.5 to + 5	- 85	- 105	- 15	33
VL1400	1400 - 1550	4	+ 0.5 to + 5	- 85	- 105	- 15	33
VL1500	1500 - 1650	4	+ 0.5 to + 5	- 85	- 105	- 15	33
VL1700	1700 - 1860	3	+ 0.5 to + 5	- 85	- 105	- 15	35
VL1850	1850 - 1975	3	+ 0.5 to + 5	- 85	- 105	- 15	28
VL1900	1900 - 2100	3	+ 0.2 to + 7	- 85	- 105	- 15	28
VL2100	2100 - 2300	0	+ 0.3 to + 5	- 83	- 103	- 20	42
VL2250	2250 - 2380	0	+ 0.5 to + 5	- 83	- 103	- 15	28
VL2350	2350 - 2600	0	+ 0.3 to + 5	- 83	- 103	- 15	53
VL2400	2400 - 2500	0	+ 0.5 to + 5	- 83	- 103	- 15	22

- Notes:**
1. Pushing (4.5 to 5.5 V): 5 MHz max.
 2. Pulling (12 dB return loss): 20 MHz