

VCO COMMERCIAL SERIES

SMALL SIZE VCO

Features

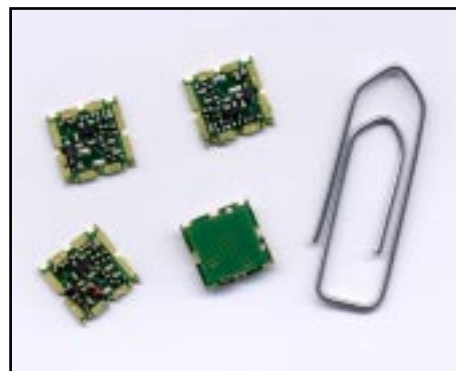
This new series gives the benefit of the small size without any trade off on performances!

- Package size: 9.5 mm x 9.5 mm (0.375" x 0.375")
- Frequency range: 80 MHz up to 2250 MHz
- Phase noise: as low as - 116 dBc @ 10 kHz from carrier

Description

The VLD series, compact size VCO, save about 30% of space on high density electronics boards. They are cost effective and offer the same performances in a tiny package, standard of the industry. They are mainly dedicated to the telecommunication market such as GSM, DCS, and WCDMA base station.

All our parts are manufactured with lead free technology



**Our new SM3 package
9.5 x 9.5 mm (0.375" x 0.375")**

Electrical characteristics @ 25°C

P/N	Frequency range	Tuning voltage	Phase noise @ 10kHz	Phase noise @ 100kHz	2nd harmonic	RF output power	Power supply	Case type	Pushing	Pulling	Input capacitance
	MHz min. - max.	V min. - max.	dBc/Hz max.	dBc/Hz max.	dBc max.	dBm typ.	V/mA typ.		MHz/V max.	MHz max.	pF
VLD80	79.5 - 80.5	2 - 3	-116	-136 @ 100kHz	-12	0	5 @ 25	SM3	±0.15	0.20 @ 2:1	39
VLD560	560 - 580	0.5 - 4.5	-100	-151 @ 1000kHz	-10	1	5 @ 15	SM3	±2.00	0.40 @ 2:1	50
VLD850	850 - 868	0.5 - 4.5	-100	-145 @ 1000kHz	-10	1	5 @ 15	SM3	±2.00	0.80 @ 2:1	50
VLD1070	1070 - 1190	1.5 - 8	-100	-120 @ 100kHz	-10	5	9 @ 30	SM3	±2.00	0.80 @ 2:1	50
VLD1680	1680 - 1736	1 - 4	-95	-115	-12	0	5 @ 25	SM3	±0.15	0.20 @ 2:1	39
VLD1740	1740 - 1864	1 - 4	-95	-115	-12	0	5 @ 25	SM3	±0.15	0.20 @ 2:1	39
VLD1860	1860 - 1980	0.8 - 4.1	-95	-135 @ 1000kHz	-10	0	5 @ 22	SM3	±2.00	1.00 @ 2:1	70
VLD2020	2020 - 2076	1 - 4	-95	-115	-12	0	5 @ 25	SM3	±0.25	0.25 @ 2:1	39
VLD2180	2180 - 2236	1 - 4	-95	-115	-12	0	5 @ 25	SM3	±0.25	0.25 @ 2:1	39

VCO commercial series - Small size



Typical performances @ 1.7 GHz

