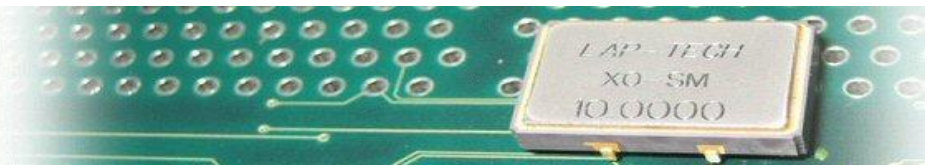




LAP-TECH INC.

"Focused on Frequency"



STANDARD FREQUENCY COMPONENTS SURFACE MOUNT CERAMIC SMD VCOS

**Description**

**VCOS Ceramic SMD : SVC-1210, SVC-1212, SVC-8060, SVC-1511**

Ceramic SMD Voltage Controlled Oscillator  
700.000 MHz ~ 4.000 GHz frequency range  
RoHS Compliant

**Features**

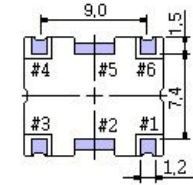
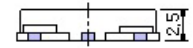
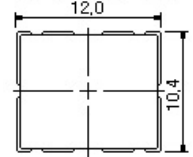
Low Phase Noise  
Custom options available  
Very wide frequency range  
Compact surface mount package

**Electrical Specifications**

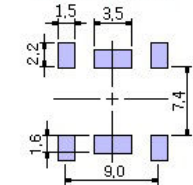
Type: VCOS  
Frequency Range: 700.000 MHz ~ 4.000 GHz  
Package Type: Ceramic SMD

Frequency (MHz)	Supply Voltage (VDC, Nom.)	Tuning Voltage (VCC)	Tuning Sensitivity (MHz/V)	Output Level (dBm, Typ.)	Power Consumption (mA, Typ.)	Phase Noise @ 25 KHz (dBc/Hz, Max.)	Harmonics (dBc, Max.)
< For Normal >							
700 - 1399	3	0.4 - 2.4	10	- 6.0	8	- 105	- 15
700 - 1399	5	0.5 - 4.5	10	0.0	10	- 100	- 15
1400 - 2199	3	0.4 - 2.4	25	- 6.0	15	- 100	- 12
1400 - 2199	5	0.5 - 4.5	25	0.0	20	- 100	- 12
2200 - 2899	3	0.4 - 2.4	50	- 6.0	25	- 90	- 10
2200 - 2899	5	0.5 - 4.5	50	0.0	30	- 90	- 10
< For GCM, DCS, CDMA >							
824 - 849	3	0.4 - 2.5	11	- 2.0	6	- 107	- 15
952 - 977	3	0.4 - 2.5	18	- 2.0	6	- 107	- 15
890 - 915	3	0.4 - 2.5	12	- 2.0	8	- 105	- 15
1136 - 1206	3	0.4 - 2.5	65	- 2.0	6	- 105	- 15
1615 - 1696	4.6	0.7 - 4.0	31	- 2.0	8	- 105	- 15
1706 - 1789	4.6	0.7 - 4.0	31	- 2.0	8	- 107	- 15
2300 - 2500	3	0.4 - 2.6	100	- 2.0	7	- 110	- 15
< For LAN Card >							
742 - 754	2.84	0.5 - 2.2	10.5	- 8.0	10	@ 100 KHz - 110	- 20
2023 - 2125	2.84	0.5 - 2.2	80	0.0	15	@ 100 KHz - 110	- 15

**SVC-1210**



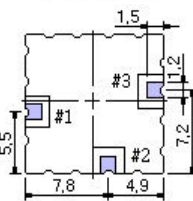
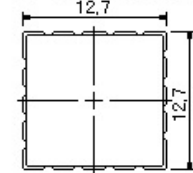
**Recommended Land Pattern**



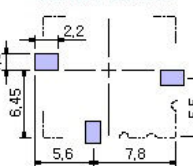
**Pad Configuration**

- #1 Vct
- #2 GND
- #3 Vcc
- #4 Output
- #5 GND
- #6 MOD or NC

**SVC-1212**

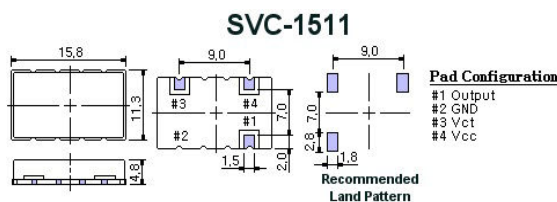
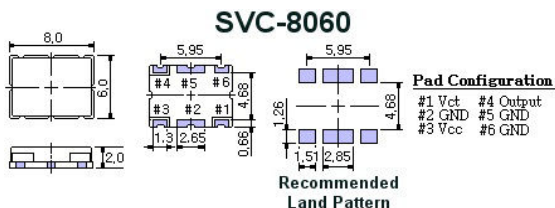


**Recommended Land Pattern**



**Pad Configuration**

- #1 Output
- #2 GND
- #3 Vct
- #4 Vcc



SVC-1210, SVC-1212, SVC-8060, SVC-1511  
700.000 MHz ~ 4.000 GHz (VCOS)