



# Voltage Controlled Oscillators 140 to 2600MHz

The content of this specification may change without notification 10/01/09



## Oscillators



Surface Mount

MVCO-01

### Voltage Controlled Oscillators (1) 140 to 2600MHz

P/N	Freq. Range (MHz)	Power Output (dBm)	Tuning Voltage (V)	Harmonic Suppression (dBc) Min	Phase Noise (dBc/Hz)		Input Capacitance (pF) Typ	DC Supply (V)	DC Current (mA) Max	Case
					@10KHz	@1MHz				
JXWBVCO-S-140-160	140-160	0±2	0.5-4.5	-12	-118	-162	400	5	15	MVCO-01
JXWBVCO-S-185-195	185-195	0±2	1.0-4.0	-17	-118	-162	400	5	15	MVCO-01
JXWBVCO-S-223-243	223-243	0±2	0.5-4.5	-16	-115	-160	250	3	15	MVCO-01
JXWBVCO-S-340-360	340-360	0±2	0.5-4.5	-15	-115	-160	120	3.3	12	MVCO-01
JXWBVCO-S-370-390	370-390	0±2	0.5-4.5	-15	-115	-160	120	5	15	MVCO-01
JXWBVCO-S-570-590	570-590	0±2	1.0-4.0	-13	-115	-160	60	5	15	MVCO-01
JXWBVCO-S-681-716	681-716	0±2	0.5-4.5	-15	-110	-158	50	5	15	MVCO-01
JXWBVCO-S-740-780	740-780	0±2	0.5-4.5	-15	-113	-158	50	5	15	MVCO-01
JXWBVCO-S-810-850	810-850	0±2	0.5-4.5	-15	-110	-155	50	5	15	MVCO-01
JXWBVCO-S-880-920	880-920	0±2	0.5-4.5	-15	-110	-155	50	5	15	MVCO-01
JXWBVCO-S-920-960	920-960	0±2	0.5-4.5	-15	-110	-155	50	5	15	MVCO-01
JXWBVCO-S-640-980	640-980	11±2	0.5-20	-10	-100	-145	150	12	35	MVCO-01
JXWBVCO-S-1080-1105	1080-1105	0±2	0.5-4.5	-15	-107	-148	45	5	15	MVCO-01
JXWBVCO-S-1125-1150	1125-1150	0±2	0.5-4.5	-15	-106	-146	45	5	15	MVCO-01
JXWBVCO-S-1162-1187	1162-1187	0±2	0.5-4.5	-15	-106	-146	45	5	15	MVCO-01
JXWBVCO-S-1200-1300	1200-1300	0±2	0.5-4.5	-15	-105	-145	40	5	15	MVCO-01
JXWBVCO-S-1450-1550	1450-1550	0±2	0.5-4.5	-25	-102	-142	40	5	15	MVCO-01
JXWBVCO-S-1040-1540	1040-1540	7±3	0.5-20	-13	-105	-145	60	12	30	MVCO-01
JXWBVCO-S1500-1600	1500-1600	0±2	0.5-4.5	-25	-100	-140	40	5	15	MVCO-01
JXWBVCO-S-1550-1650	1550-1650	0±2	0.5-4.5	-25	-100	-140	40	5	15	MVCO-01
JXWBVCO-S-1600-1700	1600-1700	0±2	0.5-4.5	-25	-100	-140	40	5	15	MVCO-01
JXWBVCO-S-1630-1690	1630-1690	0±2	0.5-4.5	-25	-100	-140	30	3.3	15	MVCO-01
JXWBVCO-S-1730-1790	1730-1790	0±2	0.5-4.5	-25	-100	-140	40	5	15	MVCO-01
JXWBVCO-S-1770-1850	1770-1850	0±3	0.5-4.5	-30	-100	-140	30	5	15	MVCO-01
JXWBVCO-S-1800-1900	1800-1900	0±2	0.5-4.5	-30	-100	-140	30	5	15	MVCO-01
JXWBVCO-S-1450-1870	1450-1870	6±2	0.5-20	-15	-105	-142	60	12	30	MVCO-01
JXWBVCO-S-2030-2070	2030-2070	-1.5±1.5	0-3.3	-30	-95	-138	20	3	12	MVCO-01
JXWBVCO-S-2050-2150	2050-2150	0±2	0.5-4.5	-30	-95	-138	25	5	15	MVCO-01
JXWBVCO-S-2100-2200	2100-2200	0±2	0.5-2.5	-30	-95	-138	25	5	15	MVCO-01
JXWBVCO-S-2200-2300	2200-2300	0±3	0.5-4.5	-30	-95	-138	25	5	15	MVCO-01
JXWBVCO-S-2300-2400	2300-2400	0±2	0.5-4.5	-30	-95	-136	25	5	15	MVCO-01
JXWBVCO-S-2400-2600	2400-2600	6±2	0.5-4.5	-30	-100	-140	20	12	30	MVCO-01

#### Notes:

1. Operating Temperature: -20 °C to +70 °C, Storage temperature: -45 °C to +100 °C.
2. Customized VCO can be offered: frequency range: 150~2600MHz, relative bandwidth: 5~30%.
3. Tested by PN9000 phase noise system from France EUROPTST Company and when offset upper 5MHz, the value of phase noise maybe not precision.
4. Solder Temperature: ≤ 230±5 °C, Solder time: 10s.
5. International Standard Package: 12.7mmx12.7mmx4.0mm.
6. Custom Designs Available