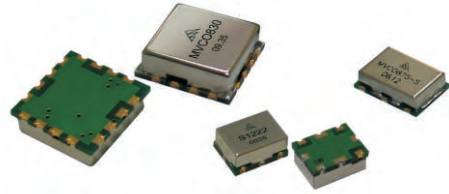


### Features

- Standard package 12.7\*12.7\*4.0mm
- Low power voltage +5V,+3V
- Frequency range 25~72000MHz
- ROHS compliant



Part number	Frequency MHz	Tuning Voltage V	Tuning sensitivity MHz/V Typ	Power output dBm Typ	Harmonic dBc Typ	Phase noise @10/100KHz dBc/Hz Typ	Input capacitance pF Typ	Power supply V/mA Max	Package
MVCO038W	25-50	0-12	3	7±3	-12	-120/-140	1000	5/15	SMT
MVCO032	30-34	0-5	2.3	5±2	-10	-116/-136	1000	8/16	SMT
MVCO50J	40-60	3-15	2.0	8±2	-15	-135/-155	1000	5/25	SMT
MVCO57.5	40-75	1-12	4.4	0±2	-25	-117/-137	1000	5/18	SMT
MVCO044	41-47	0.5-4.5	3.4	4±1	-15	-115/-135	1000	5/18	SMT
MVCO060C	44-75	0.5-8.0	4	6.5±2	-10	-120/-140	1000	5/25	SMT
MVCO060W	45-65	0.5-5	5	1.5±2	-16	-117/-137	1000	5/16	SMT
MVCO65J	60-70	0.5-4.5	3.0	8±2	-15	-135/-155	1000	5/25	SMT
MVCO075W	50-100	0-12	5	6±3	-12	-125/-145	1000	5/14	SMT
MVCO74J	68-80	1.5-11	2.0	8±2	-15	-133/-153	1000	5/25	SMT
MVCO065	50-80	0.5-4.5	9	0±2	-8	-120/-140	1000	5/15	SMT
MVCO060B	57-63	0.5-4.5	2.5	0±2	-8	-120/-140	1000	5/16	SMT
MVCO070	67-73	0.5-4.5	2.5	0±2	-10	-123/-143	1000	5/16	SMT
MVCO080A	70-90	0.5-4.5	7	2±2	-10	-120/-140	1000	5/18	SMT
MVCO080	80-81	0.6-2.4	3	0±2	-8	-121/-141	330	5/16	SMT
MVCO82J	71-93	2-10	3.4	8±2	-15	-130/-150	1000	5/25	SMT
MVCO85J	80-90	0.5-4.5	3.0	8±2	-15	-130/-150	1000	5/25	SMT
MVCO90.6	83-94	0.5-4.5	3.2	5±2	-8	-124/-144	1000	8/25	SMT
MVCO90J	75-105	1-12	3.4	8±2	-15	-130/-150	1000	5/25	SMT
MVCO106	91-121	2-9	5.5	6±2	-8	-122/-142	1000	8/25	SMT
MVCO106J	91-121	1-9	4.4	8±2	-15	-128/-148	1000	5/25	SMT
MVCO113J	105-120	0.5-4.5	4.5	8±2	-15	-130/-150	1000	5/25	SMT
MVCO120W	100-140	0.5-5	10.5	4±4	-10	-118/-138	1000	5/14	SMT
MVCO150W	100-200	0-15	7-12	6±3	-12	-120/-140	1000	5/15	SMT
MVCO123A	108-138	0.5-4.5	10	9±2	-8	-115/-135	1000	5/20	SMT
MVCO123	117.5-126.5	0.3-3	4	2±2	-40	-120/-140	330	3.3/13	SMT
MVCO150	140-160	0.5-4.5	6	0±2	-12	-118/-138	330	5/15	SMT
MVCO300W	150-450	0-20	15-23	3±3	-8	-108/-128	390	5/35	SMT
MVCO184	154-213	0.5-8	7-13	6.5±2	-8	-114/-134	1000	8/25	SMT
MVCO165	160-170	0.5-4.5	3.8	0±2	-20	-118/-138	330	5/14	SMT
MVCO185J	180-190	0.5-4.5	3.2	8±2	-15	-128/-148	330	5/25	SMT
MVCO200	170-238	1-12	10.5	1±2	-17	-110/-130	400	5/15	SMT
MVCO190	185-195	0-5	3	0±2	-17	-118/-138	400	5/15	SMT
MVCO205	199-210	0.5-4	4	0±3	-20	-120/-140	30	5/12	SMT
MVCO223J	219-226	1-12	1.5	8±2	-15	-125/-145	330	5/25	SMT
MVCO233	223-243	0.5-4.5	6	0±2	-16	-115/-135	250	3/15	SMT
MVCO245J	240-250	0.5-4.5	3.0	8±2	-15	-125/-145	330	5/25	SMT
MVCO280J	270-290	0.5-4.5	6	8±2	-15	-125/-145	330	5/25	SMT

## MVCO series SMT Voltage Controlled Oscillator



(Continued)

Part number	Frequency MHz	Tuning Voltage V	Tuning sensitivity MHz/V Typ	Power output dBm Typ	Harmonic dBc Typ	Phase noise @10/100KHz dBc/Hz Typ	Input capacitance pF Typ	Power supply V/mA Max	Package
MVCO450W	300-600	1-18	15-30	3±3	-10	-100/-120	100	5/25	SMT
MVCO348	305-392	0-5	15-26	8±2	-10	-100/-120	200	5/15	SMT
MVCO395W	310-480	0.2-4.8	40-55	-5±3	-25	-95/-115	150	5/17	SMT
MVCO325	315-335	0.5-4.5	5	6±2	-15	-118/-138	100	5/15	SMT
MVCO345	330-360	0.5-4.5	6	0±2	-15	-112/-132	100	5/10	SMT
MVCO385	360-410	0.5-4.5	14	3±3	-15	-113/-133	200	5/15	SMT
MVCO385W	360-410	0.5-4.5	14	3±3	-15	-110/-130	200	5/15	SMT
MVCO375J	370-380	0.5-4.5	3.5	8±2	-15	-125/-145	220	5/25	SMT
MVCO405	380-430	0-4.5	15	0±2	-20	-116/-136	100	5/20	SMT
MVCO395A	385-405	0.5-4.5	9	0±2	-10	-118/-138	330	5/13	SMT
MVCO400	390-410	0-5	6	0±2	-13	-111/-130	100	5/10	SMT
MVCO600W	400-800	0.5-15	25-45	7±3	-10	-100/-120	82	8/30	SMT
MVCO420A	405-435	0.5-4.5	10	0±2	-15	-116/-136	100	5/12	SMT
MVCO440	420-460	0.5-4.5	12	0±2	-15	-115/-135	100	5/12	SMT
MVCO457	420-494	0.5-4.5	25	0±2	-20	-110/-130	51	5/20	SMT
MVCO460	450-470	0.5-3	12	4±2	-16	-114/-134	100	3.3/12	SMT
MVCO465	450-480	0.5-4.5	13	0±3	-20	-114/-134	100	5/12	SMT
MVCO490	470-515	0.5-4.5	15	0±3	-20	-113/-133	100	5/10	SMT
MVCO500D	485-515	0.5-4.5	13.5	0±2	-25	-117/-137	51	5/15	SMT
MVCO516	496-536	0-5	14.5	5±2	-20	-115/-135	100	8/18	SMT
MVCO750W	520-1000	0-15	26-46	10±2	-10	-104/-124	51	12/25	SMT
MVCO540	530-550	0.5-4.5	8	4±2	-20	-117/-137	51	5/15	SMT
MVCO565	550-580	0.5-4.5	11	0±3	-18	-110/-130	100	5/10	SMT
MVCO600	580-620	0.5-4.5	12.5	0±3	-14	-115/-135	68	5/14	SMT
MVCO600D	585-615	0.5-4.5	12.5	0±2	-25	-116/-136	51	5/15	SMT
MVCO800W	600-1200	1-18	26-46	6±3	-8	-103/-123	51	5/30	SMT
MVCO622	602-642	0.5-4.5	12	0±2	-16	-115/-135	100	5/12	SMT
MVCO638A	625-650	2.2-4.2	21	3±2	-25	-115/-135	51	5/13	SMT
MVCO650	640-660	0.5-4.5	8	6±2	-20	-117/-137	51	5/18	SMT
MVCO645	645-659.5	0-3.3	8	0±2	-20	-115/-135	51	3.3/10	SMT
MVCO669	649-689	0.5-4.5	13.5	0±2	-14	-115/-135	68	5/12	SMT
MVCO690A	670-710	0.5-4.5	14.5	2±2	-15	-115/-135	68	5/18	SMT
MVCO710	670-750	0.8-4.2	30	0±3	-12	-108/-128	51	5/20	SMT
MVCO700D	680-720	0.5-4.5	15.5	0±2	-25	-116/-136	51	5/20	SMT
MVCO720A	690-750	0.5-4.5	23	0±2	-25	-114/-134	51	5/18	SMT
MVCO950B	700-1400	0-15	35-70	7±3	-8	-98/-118	51	12/30	SMT
MVCO730	710-750	0.5-4.5	16	0±2	-12	-113/-133	68	5/14	SMT
MVCO745	710-780	0.5-4.5	22	0±3	-25	-115/-135	51	5/20	SMT
MVCO732	714-749	2.2-4.2	25	3±2	-25	-112/-132	51	5/15	SMT
MVCO737	720-750	0.5-4.5	10	0±2	-25	-120/-140	51	5/25	SMT
MVCO765	720-810	0.8-4.2	32	0±3	-12	-108/-128	51	5/20	SMT
MVCO760	740-780	0.5-4.5	16	0±2	-15	-115/-135	50	5/17	SMT
MVCO756	743-769	0.5-4.5	11	1±2	-20	-115/-135	51	5/18	SMT

## MVCO series SMT Voltage Controlled Oscillator



(Continued)

Part number	Frequency MHz	Tuning Voltage V	Tuning sensitivity MHz/V Typ	Power output dBm Typ	Harmonic dBc Typ	Phase noise @10/100KHz dBc/Hz Typ	Input capacitance pF Typ	Power supply V/mA Max	Package
MVCO766	753-778	1.8-4.5	14	0±2	-24	-115/-135	51	5/16	SMT
MVCO810A	765-855	0.8-4.2	35	0±3	-10	-105/-125	51	5/20	SMT
MVCO804	766-841	0.5-4.5	26	0±2	-30	-112/-132	51	5/20	SMT
MVCO801	781-820	1.8-4.5	22	0±2	-27	-112/-132	51	5/20	SMT
MVCO950	800-1100	0.5-4.5	70-105	2±2	-25	-98/-118	47	5/22	SMT
MVCO1200W	800-1600	0.5-18	40-80	9±3	-10	-102/-122	51	11.5/30	SMT
MVCO825A	805-844	1.8-4.5	23	0±2	-25	-113/-133	51	5/18	SMT
MVCO830	810-850	0.5-4.5	12	0±2	-15	-110/-130	50	5/15	SMT
MVCO830B	810-850	0.5-4.5	12	2±2	-12	-115/-135	47	5/17	SMT
MVCO860A	815-905	0.8-4.2	34	0±2	-15	-105/-125	51	5/20	SMT
MVCO850D	840-860	0.5-4.5	10	0±2	-10	-115/-135	51	5/15	SMT
MVCO855A	840-870	0.5-4.5	15	0±3	-12	-112/-132	51	5/26	SMT
MVCO875A	845-905	0-5	16	0±2	-13	-110/-130	51	5/30	SMT
MVCO1000W	850-1150	0-5	70-110	2±2	-20	-95/-115	47	5/20	SMT
MVCO880A	855-905	0.5-4.5	17	0±3	-15	-109/-129	47	5/15	SMT
MVCO881AX	869-894	2.2-4.2	21	3±2	-22	-112/-132	30	5/16	SMT
MVCO885A	869-901	1.8-4.5	16	0±2	-24	-113/-133	51	5/12	SMT
MVCO922	875-970	0.5-4.5	30	0±2	-17	-105/-125	47	5/16	SMT
MVCO900-3	890-910	0.5-4.5	12	3±2	-10	-110/-130	47	5/15	SMT
*MVCO1140	895-1385	2.5-12	45-80	12±1	-12	-100/-120	100	5/55	SMT1
MVCO1050W	900-1200	0.5-4.5	75-105	2±2	-20	-98/-118	47	5/25	SMT
MVCO1100	900-1300	0.5-10	45-75	3±2	-10	-97/-117	47	5/20	SMT
MVCO965	920-1010	0.8-4.2	37	0±3	-22	-102/-122	51	5/24	SMT
MVCO940	920-960	0.5-4.5	12	0±2	-15	-110/-130	50	5/15	SMT
MVCO944	921-967	1.8-4.5	22	0±2	-25	-110/-130	51	5/25	SMT
MVCO943	925-960	2.2-4.2	25	3±2	-15	-109/-129	30	5/16	SMT
MVCO1200	950-1450	0-10	70-110	2±2	-20	-96/-116	47	5/19	SMT
MVCO1325W	950-1700	0.3-4.7	110-260	7±3	-12	-96/-116	51	10/30	SMT
MVCO1550W	950-2150	1-23	40-130	12±2	-13	-100/-120	51	5/60	SMT
MVCO1010	965-1010	0.8-4.2	40	0±3	-24	-103/-123	51	5/22	SMT
MVCO1010A	975-1045	0.5-4.5	20	4±2	-20	-110/-130	51	5/25	SMT
MVCO1000B	980-1020	0.5-4.5	18	0±2	-20	-113/-133	51	5/17	SMT
MVCO1000D	980-1020	0.5-4.5	15	0±2	-20	-113/-133	51	5/15	SMT
MVCO1030	985-1075	0.5-4.5	30	0±3	-25	-102/-122	51	5/23	SMT
MVCO1250W	1000-1500	0.5-20	19-38	3±2	-13	-102/-122	51	10/30	SMT
MVCO1500W	1000-2000	0.5-15	50-115	9±4	-10	-100/-120	47	12/30	SMT
MVCO1700	1000-2400	1-20	50-140	6±3	-10	-93/-113	51	10/30	SMT
MVCO1050	1030-1070	0.5-4.5	20	3±2	-25	-115/-135	51	5/30	SMT
MVCO1075	1030-1120	0.5-4.5	33	0±3	-25	-102/-122	51	5/17	SMT
MVCO1450W	1050-1850	0.5-12	50-110	6±3	-15	-100/-120	51	10/30	SMT
MVCO1078	1078	1.-2.5	12	6±2	-25	-110/-130	51	5/25	SMT
MVCO1093A	1080-1105	2.2-4.2	20	3±2	-25	-110/-130	30	5/20	SMT
MVCO1100D	1080-1120	0.5-4.5	15	0±2	-20	-112/-132	51	5/25	SMT
MVCO1180	1090-1270	0.5-4.5	50	4±2	-20	-106/-126	51	5/25	SMT

## MVCO series SMT Voltage Controlled Oscillator



(Continued)

Part number	Frequency MHz	Tuning Voltage V	Tuning sensitivity MHz/V Typ	Power output dBm Typ	Harmonic dBc Typ	Phase noise @10/100KHz dBc/Hz Typ	Input capacitance pF Typ	Power supply V/mA Max	Package
*MVCO1360	1120-1620	1-14	40-65	3±3	-12	-101/-121	52	10/30	SMT1
MVCO1150	1140-1160	0.5-4.5	10	6±2	-20	-113/-133	51	5/20	SMT
MVCO1190	1150-1230	0.8-4.2	34	0±3	-20	-103/-123	51	5/18	SMT
MVCO1200D	1180-1220	0.5-4.5	18	0±2	-25	-112/-132	51	5/25	SMT
MVCO1250	1200-1300	0.5-4.5	30	0±2	-15	-105/-125	40	5/15	SMT
MVCO1207	1202-1212	0.5-4.5	10	4±2	-20	-110/-130	51	5/25	SMT
MVCO1670W	1240-2100	2-15	80	7±3	-15	-98/-118	51	5/30	SMT
*MVCO1491	1250-1732	2.5-12	40-75	10±1.5	-15	-98/-119	100	5/60	SMT1
MVCO1268	1263-1273	0.5-4.5	10	4±2	-20	-110/-130	51	5/25	SMT
MVCO1300D	1280-1320	0.5-4.5	20	0±2	-25	-110/-130	51	5/25	SMT
MVCO1550A	1300-1800	0.5-4.5	130-190	5±2	-12	-95/-115	51	5/30	SMT
MVCO1468W	1325-1612	2-10	40	8±2	-15	-103/-123	51	5/25	SMT
MVCO1433	1341-1524	0.5-4.5	52	0±2	-12	-105/-125	51	5/20	SMT
MVCO1600W	1350-1850	2-15	50	4±2	-25	-103/-123	51	12/30	SMT
MVCO1515	1415-1615	1.5-4.5	70-140	-1±2	-15	-97/-117	51	5/20	SMT
MVCO1500	1450-1550	0.5-4.5	38	0±2	-25	-105/-125	51	5/20	SMT
MVCO1675	1450-1900	0.5-20	17-37	5±2	-12	-101/-121	51	10/30	SMT
MVCO1475	1460-1500	0.5-4.5	18	3±2	-12	-112/-132	51	5/28	SMT
MVCO1530	1480-1580	0.5-5	25	4±2	-20	-108/-128	51	5/30	SMT
MVCO1536	1499-1574	1.8-4.5	42	0±2	-18	-103/-123	51	5/24	SMT
MVCO1525	1500-1550	0.5-5	15	4±2	-20	-110/-130	51	5/30	SMT
MVCO1550	1500-1600	0.5-4.5	30	0±2	-15	-102/-122	51	5/18	SMT
MVCO1750A	1500-2000	2-20	23-46	12±2	-15	-100/-120	51	12/60	SMT
MVCO1607	1503-1710	0.5-4.5	60	0±3	-17	-104/-124	20	5/20	SMT
MVCO1556	1511-1586	1.8-4.5	47	3±2	-13	-105/-125	51	5/30	SMT
MVCO1610W	1540-1680	0.8-4.2	52	0±2	-12	-102/-122	51	5/20	SMT
MVCO1600	1550-1650	0.5-4.5	32	0±2	-25	-100/-120	40	5/15	SMT
MVCO1620M	1590-1670	1-3	44	0±3	-12	-104/-124	51	5/23	SMT
MVCO1632	1594-1669	1.8-4.5	45	3±2	-13	-105/-125	51	5/30	SMT
MVCO1750	1600-1900	2-10	22-60	5±2	-13	-100/-120	51	5/28	SMT
MVCO1660	1630-1690	0.5-4.5	32	0±2	-25	-100/-120	30	3.3/15	SMT
MVCO1669	1639-1699	1.8-4.5	34	0±2	-15	-105/-125	30	5/30	SMT
MVCO1715	1650-1780	0.8-4.2	55	0±3	-10	-105/-125	51	5/22	SMT
MVCO1776	1675-1877	0.5-4.5	60	0±3	-15	-103/-123	51	5/22	SMT
MVCO2400W	1700-3100	1-15	80-210	0±3	-15	-90/-110	51	5/25	SMT
MVCO1810	1710-1910	0.5-4.5	60	0±2	-15	-104/-124	51	5/30	SMT
MVCO1749	1719-1779	1.8-4.5	39	3±2	-13	-107/-127	51	5/30	SMT
MVCO1830	1760-1890	0.8-4.2	51	0±3	-10	-103/-123	51	5/22	SMT
MVCO1850	1800-1900	0.5-4.5	43	0±2	-15	-103/-123	30	5/25	SMT
MVCO1925	1800-2050	0.5-4.5	85	0±2	-15	-103/-123	51	5/30	SMT
MVCO1843B	1805-1880	2.2-4.2	44	3±2	-24	-103/-123	51	5/28	SMT
MVCO1847	1805-1889	1.8-4.5	43	0±2	-10	-103/-123	51	5/28	SMT
MVCO1898	1805-1990	0.5-5	55	1±2	-15	-103/-123	51	5/28	SMT
MVCO1887	1820-1955	0.5-4.5	44	0±2	-18	-100/-120	20	5/25	SMT

## MVCO series SMT Voltage Controlled Oscillator



(Continued)

Part number	Frequency MHz	Tuning Voltage V	Tuning sensitivity MHz/V Typ	Power output dBm Typ	Harmonic dBc Typ	Phase noise @10/100KHz dBc/Hz Typ	Input capacitance pF Typ	Power supply V/mA Max	Package
MVCO1880	1830-1930	0.5-4.5	39	3±2	-15	-105/-125	51	5/35	SMT
MVCO2000A	1867-2131	0-5	85	0±2	-18	-100/-120	20	5/20	SMT
MVCO1878	1868-1888	0.5-4.5	10	1±2	-20	-108/-128	51	5/28	SMT
MVCO1915	1870-1960	0.5-4.5	33	0±3	-20	-100/-120	51	5/28	SMT
MVCO2150W	1900-2400	0.5-10	45-85	1±2	-12	-94/-114	51	8/30	SMT
MVCO1982	1915-2050	0.5-4.5	43	0±2	-22	-102/-122	20	5/25	SMT
MVCO1960	1920-2000	0.5-4.5	27	0±2	-15	-100/-120	20	5/20	SMT
MVCO1960C	1930-1990	1.8-4.5	42	3±2	-13	-105/-125	51	5/30	SMT
MVCO1960CX	1930-1990	2.2-4.2	45	3±2	-20	-103/-123	51	5/25	SMT
MVCO1972	1930-2014	1.8-4.5	43	0±2	-15	-103/-123	51	5/32	SMT
MVCO1985M	1981-1989	0-3.3	30	0±2	-15	-104/-124	51	3.3/20	SMT
MVCO2050A	2000-2100	0.5-5	34	2±2	-20	-106/-126	51	5/30	SMT
MVCO2300A	2000-2600	2-20	23-47	12±2	-15	-100/-120	51	12/60	SMT
MVCO2500W	2000-3000	0-15	30-140	6±3	-10	-95/-115	51	12/35	SMT
MVCO2280	2020-2540	0.5-10	65	2±2	-12	-94/-114	51	8/28	SMT
MVCO2050	2030-2070	0-3.3	30	0±1.5	-30	-95/-115	20	3/12	SMT
MVCO2090	2030-2150	0.5-4.5	37	0±2	-20	-103/-123	20	5/30	SMT
MVCO2100	2060-2140	0.5-4.5	24	0±2	-13	-105/-125	25	5/15	SMT
MVCO2080D	2070-2090	0.5-4.5	8	5±2	-20	-108/-128	51	5/30	SMT
MVCO2150	2100-2200	0.5-4.5	33	0±2	-30	-98/-118	25	5/15	SMT
MVCO2250	2200-2300	0.5-4.5	35	0±3	-30	-98/-118	25	5/15	SMT
MVCO2400	2200-2600	1-15	35	2±2	-12	-102/-122	51	8/28	SMT
MVCO2350	2300-2400	0.5-4.5	45	0±2	-30	-105/-125	25	5/30	SMT
MVCO2500	2350-2650	0.3-4.7	81	1±2	-17	-102/-122	20	5/35	SMT
MVCO2675	2350-3000	1-12	50-100	3±2	-10	-95/-115	51	8/28	SMT
MVCO2425W	2360-2480	0-5	47	0±2	-20	-105/-125	51	5/30	SMT
MVCO2550	2375-2715	1-15	33	2±2	-15	-100/-120	51	5/30	SMT
MVCO2600	2400-2600	0.5-4.5	60	6±2	-30	-100/-120	20	12/30	SMT
MVCO2705	2400-3000	0.5-10	65-95	1±2	-10	-95/-115	51	5/25	SMT
MVCO2700A	2450-2950	2-15	50	3±2	-15	-95/-115	51	12/30	SMT
MVCO2617.5	2480-2755	0.5-4.5	85	2±2	-12	-100/-120	51	5/30	SMT
MVCO2600W	2530-2670	0-5	44	0±2	-25	-107/-127	51	5/30	SMT
MVCO2920	2600-3240	0.5-11	70-120	4±2	-12	-93/-113	51	8/28	SMT
MVCO2700	2640-2760	0-5	36	0±2	-15	-103/-123	51	5/30	SMT
MVCO2800A	2700-2900	0.5-4.5	85	0±2	-15	-97/-117	51	5/25	SMT
MVCO2758	2710-2805	0.5-4.5	50	0±2	-15	-99/-119	51	5/25	SMT
MVCO2925	2800-3050	0.5-4.5	110	2±2	-15	-98/-118	20	5/22	SMT
MVCO2950	2850-3050	0.5-4.5	80	5±2	-17	-99/-119	51	5/30	SMT
MVCO3000	2900-3150	0.5-4.5	80	0±3	-25	-95/-115	20	5/25	SMT
MVCO3125	2900-3250	0.5-4.5	70-130	1±2	-15	-98/-118	20	5/25	SMT
MVCO3150	2950-3150	1-10	70	1±2	-17	-95/-115	51	5/20	SMT
MVCO3070	3010-3130	0-5	36	0±2	-15	-102/-122	51	5/30	SMT
MVCO3180	3080-3280	0-5	60	3±2	-20	-95/-115	20	5/30	SMT
MVCO3550	3100-4000	1-15	70	2±2	-15	-93/-113	20	8/33	SMT

## MVCO series SMT Voltage Controlled Oscillator



(Continued)

Part number	Frequency MHz	Tuning Voltage V	Tuning sensitivity MHz/V Typ	Power output dBm Typ	Harmonic dBc Typ	Phase noise @10/100KHz dBc/Hz Typ	Input capacitance pF Typ	Power supply V/mA Max	Package
MVCO3165	3120-3210	0.5-4.5	43	0±2	-20	-97/-117	51	5/33	SMT
MVCO3210	3160-3260	0.5-4.5	47	0±2	-20	-98/-118	51	5/33	SMT
MVCO3250	3200-3300	0.5-4.5	40	2±3	-20	-95/-115	20	5/30	SMT
MVCO3265	3230-3310	0.5-4.5	46	0±2	-20	-97/-117	51	5/33	SMT
MVCO3325	3250-3400	0.5-5	55	0±2	-25	-96/-116	51	5/40	SMT
MVCO3456	3262-3650	1-12	38	1±2	-20	-94/-114	51	5/20	SMT
MVCO3315	3270-3360	0.5-4.5	45	0±2	-20	-97/-117	51	5/33	SMT
MVCO3392.5	3325-3460	0.5-4.5	70	3±2	-20	-99/-119	51	5/35	SMT
MVCO3940	3550-4330	1-15	55-90	0±2	-15	-93/-113	20	8/25	SMT
MVCO4350	3600-5100	0-20	50-170	4±3	-10	-80/-100	51	12/30	SMT
MVCO3710	3680-3740	0.5-4.5	35	5±2	-20	-97/-117	51	5/33	SMT
MVCO3950	3700-4200	1-8	80-150	5±2	-20	-80/-100	51	12/30	SMT
MVCO3950A	3700-4225	1-15	46	2±2	-15	-95/-115	20	8/33	SMT
MVCO4150	3700-4600	1-15	72	2±2	-15	-93/-113	20	8/33	SMT
MVCO3850	3800-3900	0-5	38	3±2	-20	-95/-115	20	8/30	SMT
MVCO4100D	4050-4210	1-6	38	9±2	-15	-97/-117	20	5/55	SMT
MVCO4375	4100-4650	1-15	60	1.5±2	-15	-96/-116	20	8/33	SMT
MVCO4400	4200-4600	1-15	36	2±2	-15	-94/-114	20	8/33	SMT
MVCO4750	4200-5300	1-20	65	2±2	-15	-87/-107	20	8/33	SMT
MVCO4600	4300-4900	1-15	55	0±2	-15	-92/-112	20	8/33	SMT
MVCO4525	4350-4700	1-15	30	0±2	-15	-94/-114	20	8/33	SMT
MVCO4700	4400-5000	2-14	65	8±2	-15	-92/-112	20	5/55	SMT
MVCO4800	4400-5200	1-15	72	0±2	-15	-90/-110	20	8/33	SMT
MVCO4800T2	4400-5225	1-15	62	-2±2	-15	-94/-114	20	8/65	SMT
MVCO4813	4400-5225	0.5-18	20-80	3±2	-15	-93/-113	51	8/30	SMT
MVCO4500	4450-4550	0-5	45	0±3	-20	-88/-108	20	8/30	SMT
MVCO4660	4620-4720	0.5-4.5	50	2±2	-20	-97/-117	51	5/25	SMT
MVCO5400T2	5000-5810	1-15	62	-2±2	-15	-92/-112	20	8/65	SMT
MVCO5200	5080-5160	0-5	30	0±3	-20	-88/-108	20	8/30	SMT
MVCO5650	5620-5670	0.5-4.5	35	2±2	-20	-92/-112	51	5/26	SMT
MVCO6090	6000-6180	0-5	65	2±2	-20	-86/-106	20	8/30	SMT
MVCO6500	6450-6550	0-5	50	0±2	-20	-86/-106	10	5/30	SMT
MVCO7200	7150-7250	0-5	50	0±2	-20	-88/-108	10	5/30	SMT

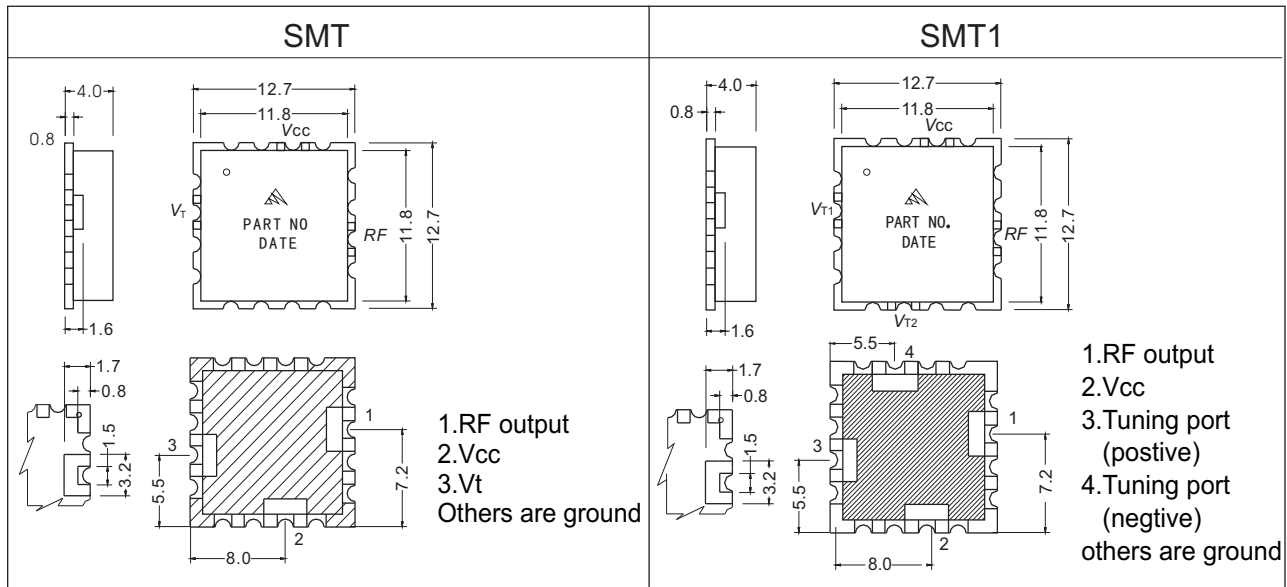
Note: “\*” is a VCO with two tuning ports.  $V_T = V_{T1} - V_{T2}$



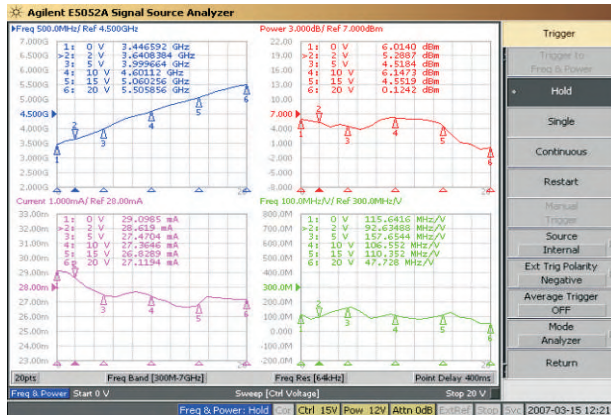
# MVCO series SMT Voltage Controlled Oscillator



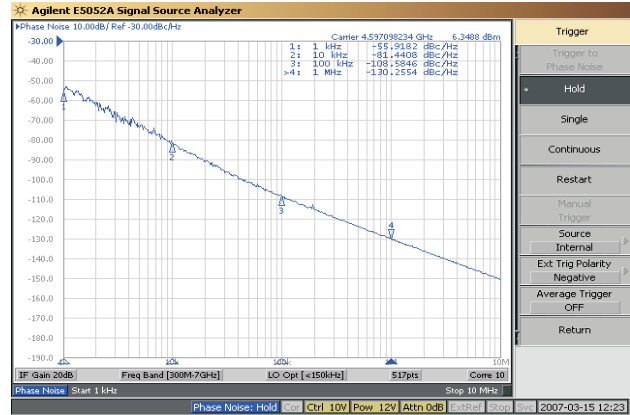
## Outline Drawing



## Typical performance (Tested by E5052A of Agilent)



Frequency, tuning sensitivity, power output and current of MVCO4350



Phase noise of MVCO4350

## Recommended reflow temperature profile

