

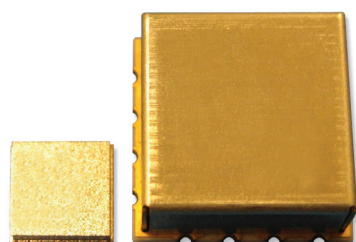
RFVC975X Series

Voltage Controlled Oscillators for Cellular Infrastructure



The RFVC975X devices are a series of high-performance voltage controlled oscillators designed for use in cellular infrastructure transceivers. Each of these VCOs come in an extremely compact 6.0 x 6.0 mm overmolded package utilizing RFMD's patented MicroShield™ Integrated RF Shielding technology which provides excellent RF isolation. The RFVC975X platform meets the stringent electrical requirements for all cellular air interface standards, including GSM/EDGE. This flexible platform allows RFMD to quickly turn custom samples.

Frequency (MHz)	V _{TUNE} (V)	100 kHz Offset (dBc/Hz)	P _{OUT} (dBm)	2nd Harmonic (dBc)	V _{CC} (V)	I _{CC} (mA)	Part Number
795 to 858	1.4 to 4.85	-134.0	4.0	-15.0	5.25	30.0	RFVC9750
1920 to 2000	0.5 to 4.5	-122.0	0.0	-12.0	5.0	30.0	RFVC9751
1050 to 1086	1.0 to 4.0	-134.0	0.0	-10.0	7.5	25.0	RFVC9752
1680 to 1740	0.5 to 4.5	-125.0	0.0	-12.0	5.0	25.0	RFVC9753
925 to 960	0.5 to 4.5	-129.0	0.0	-12.0	5.0	20.0	RFVC9754
1805 to 1880	0.5 to 4.5	-123.0	0.0	-12.0	5.0	22.0	RFVC9755
1540 to 1615	0.5 to 4.5	-125.0	0.0	-12.0	5.0	22.0	RFVC9756
869 to 894	0.5 to 4.5	-130.0	0.0	-12.0	5.0	22.0	RFVC9757
994 to 1020	0.5 to 4.5	-134.0	0.0	-12.0	7.5	22.0	RFVC9758
925 to 960	1.4 to 4.85	-128.0	4.0	-15.0	5.25	30.0	RFVC9759



Side by Side Comparison – RFVC975X vs. Traditional Cellular Infrastructure VCO

FEATURES

- Compact size – 6.0 x 6.0 mm overmolded package
- MicroShield™ Integrated RF Shielding
- Meets electrical specifications for all cellular air interface standards
- Low power dissipation
- Flexible platform—easily and quickly customized

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