RFE
RF & Microwave Innovation

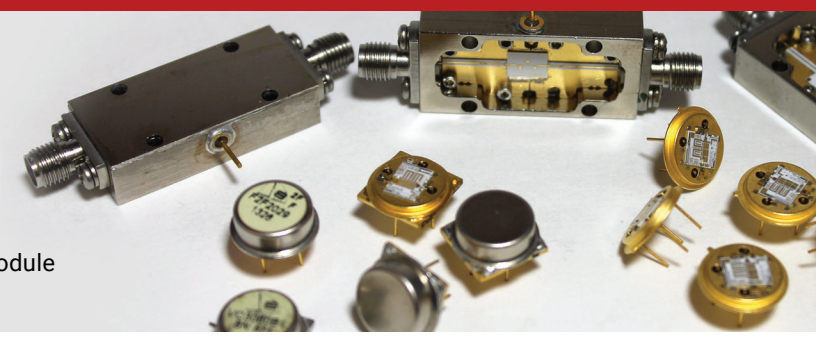
LOW NOISE VOLTAGE CONTROLLED OSCILLATORS

Features

- Low Cost
- Low Tune Voltage Range
- Low Phase Noise

Applications

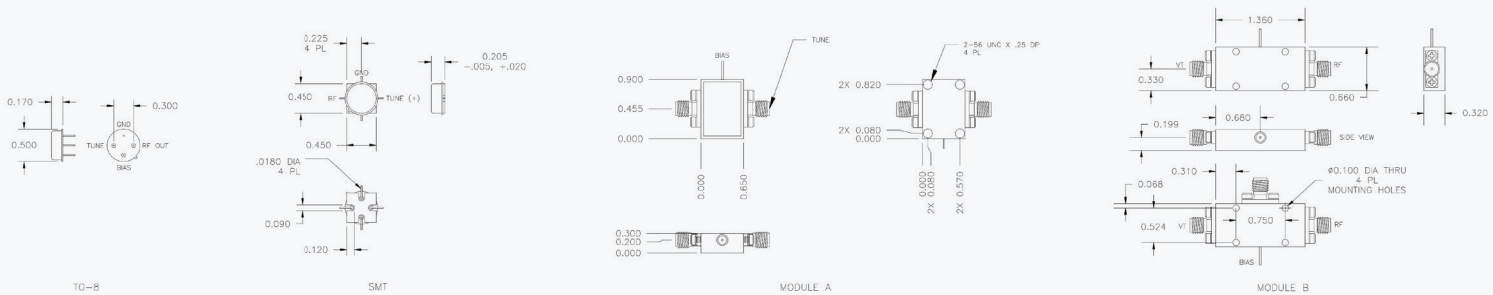
- EW / SIGINT
- Radar
- Microwave Radio
- Instrumentation / Test Module



Low Noise VCO's

Model Number	Bandwidth MHz	Output Power dBm	Tuning Voltage	Mod Sense Ratio	Phase Noise@ 100 kHz dBc/Hz	Harmonics dBc	DC Bias Volts @ mA	Package
RFE-2017800-X	700 – 1100	10 – 14	1 – 15	2.5:1	-115	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017801-X	900 – 1200	10 – 14	1 – 12	2.0:1	-108	-10	+15 @ 125	TO-8, SMT, Module A
RFE-2017802-X	1400 – 1800	10 – 14	1 – 10	2.5:1	-115	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017803-X	1875 – 2600	10 – 14	1 – 15	2.5:1	-108	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017804-X	2000 – 2800	10 – 14	1 – 12	2.5:1	-105	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017805-X	2400 – 2500	10 – 14	1 – 12	1.5:1	-115	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017806-X	2500 – 3375	10 – 14	1 – 15	2.5:1	-105	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017807-X	3000 – 3300	10 – 14	1 – 12	2.5:1	-105	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017808-X	3100 – 3350	10 – 14	1 – 12	4.0:1	-115	-10	+15 @ 80	TO-8, SMT, Module A
RFE-2017809-X	3750 – 5300	10 – 14	1 – 15	2.5:1	-95	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017810-X	3800 – 4200	10 – 14	1 – 15	2.0:1	-105	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017811-X	4050 – 4400	10 – 14	1 – 12	2.5:1	-105	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017812-X	4600 – 5300	10 – 14	1 – 12	2.0:1	-100	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017813-X	5100 – 5400	10 – 14	1 – 12	2.5:1	-105	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017814-X	5300 – 5500	10 – 14	1 – 15	2.0:1	-100	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017815-X	5600 – 5900	10 – 14	1 – 12	2.0:1	-106	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017816-X	6000 – 6240	10 – 14	1 – 12	1.5:1	-108	-10	+12 @ 120	TO-8, SMT, Module A
RFE-2017817-X	6000 – 6300	10 – 14	1 – 12	2.5:1	-105	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017818-X	6300 – 6600	10 – 14	1 – 15	2.5:1	-105	-10	+12 @ 100	TO-8, SMT, Module A
RFE-2017819-X	7400 – 7600	10 – 14	1 – 10	1.5:1	-106	-12	+12 @ 100	TO-8, SMT, Module A
RFE-2017820-X	7800 – 8200	10 – 14	1 – 12	2.0:1	-100	-15	+12 @ 100	TO-8, SMT, Module A
RFE-2017821-X	8100 – 8900	10 – 14	1 – 10	2.0:1	-92	-12	+13.5 @ 100	TO-8, SMT, Module A
RFE-2017822-X	8400 – 8800	10 – 14	1 – 15	1.5:1	-100	-12	+12 @ 100	TO-8, SMT, Module A
RFE-2017823-X	9400 – 9700	10 – 14	1 – 15	1.5:1	-100	-12	+15 @ 100	TO-8, SMT, Module A
RFE-2017824-X*	9120 – 10120	10 – 14	1 – 12	2.0:1	-90	-15	+12 @ 250	Module B

*Doubled VCO Design, -X Defines package type –A TO-8, -B SMT, -C Module A, -D Module B (Sample List Only, Other Models/Frequencies Available)



RFE INC. • 48860 Milmont Dr #107C, Fremont, California 94538 • (855) 500-4269 • info@rfe-mw.com • www.rfe-mw.com