ECS-2532VXO

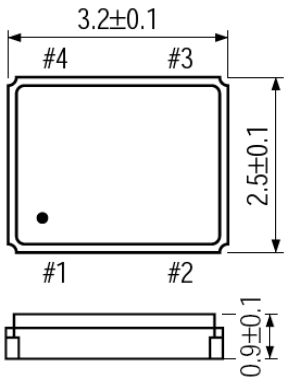
SMD VCXO

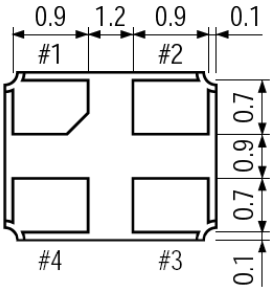
- Smallest VCXO in Industry
- 3.2 x 2.5 mm Footprint
- Low current consumption
- Pb Free/RoHS Compliant

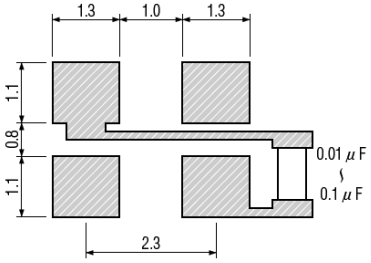
ECS-2532VXO offers a 2.8V and 3.3V version, subminiature SMD VCXO. Ideal for today's high density applications.

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	ECS-2532VXO (+2.8V)			ECS-2532VXO (+3.3V)			UNITS
		MIN	TYP	MAX	MIN	TYP	MAX	
Frequency Range		2.000		54.000	2.000		54.000	MHz
Operating Temperature	Standard	-10		+70	-10		+70	°C
Storage Temperature		-40		+85	-40		+85	°C
Supply Voltage	VDD	+2.66	+2.8	+2.94	+3.135	+3.3	+3.465	VDC
Frequency Stability * Vco = ½ VDD	Option A			± 50			± 50	ppm
	Option B			± 30			± 30	ppm
Frequency vs. Input Voltage	VDD ±5%			± 5			± 5	ppm
Frequency Pulling Range		± 90			± 90			ppm
Control Voltage	Vcon = Pin#1	0	+1.4	+2.8	0	+1.65	+3.3	VDC
Frequency Slope	Positve							
Frequency Linearity				15			15	%
Modulation bandwidth	-3 dB	10			10			KHz
Vcon input impedance	Vcon-GND	100K			100K			Ω
Output Symmetry	@ 50% VDD level			40/60			60/40	%
Rise and Fall Times 20% to 80% VDD level	2.0 MHz to 10.0 MHz			10			10	ns
	10.1 MHz to 54.0 MHz			6			6	ns
"0" level	VOL			10% VDD			10% VDD	VDC
"1" level	VOH	90% VDD			90% VDD			VDC
Output Load	CMOS			15			15	pF
Startup time							10	ms
Input Current	No Load			5			8	mA
SSB Phase Noise	at 1 KHz offset			-120			-120	dBc/Hz
Aging (first year)	at +25°C ±3°C			± 5			± 5	ppm







Pin Connections	
Pin #1	Vcontrol
Pin #2	GND
Pin #3	Output
Pin #4	VDD