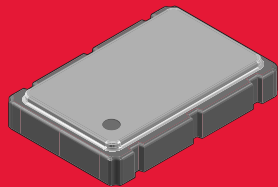


FEATURES

- 3.3V & 5.0V versions
- 1.6 mm profile
- Low power consumption
- Tri-State
- Seam welded package
- Tape & Reel (1,000 pcs STD)



SMD VCXO'S

The RXDVX-93 (3.3V) and RXDVX-95 (5.0V) are miniature VCXO'S voltage controlled crystal oscillators with tri-state in a ceramic SMD package. The low profile package is ideal for todays advanced portable PC and instrumentation applications.

PART NUMBERING GUIDE "EXAMPLE"

PART NUMBER	FREQUENCY
RXDVX93 -	32.000

Sample Part Number: RXDVX93-270. 3.3V. 27.000 MHz VCXO

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	RXDVX93 (3.3V)			RXDVX95 (5.0V)			UNITS
		MIN	TYP	MAX	MIN	TYP	MAX	
FREQUENCY RANGE		12.0		40.0	12.000		40.0	MHz
TEMPERATURE RANGE	Operating	-10		+70	-10		+70	°C
	Storage	-40		+85	-40		+85	°C
SUPPLY VOLTAGE		+3.14	+3.3	+3.465	+4.75	+5.0	+5.25	V DC
FREQUENCY STABILITY*	All Conditions			±50			±50	PPM
FREQUENCY PULLING RANGE	Peek to Peek	200			200			PPM
CONTROL VOLTAGE		0	+1.65	+3.3	+0.5	+2.5	+4.5	V DC
FREQUENCY LINEARITY	Positive Slope			±15			±10	%
INPUT CURRENT	No Load			11			30	mA
OUTPUT SYMMETRY	@ 1/2 Vcc Level	40/60		60/40	45/55		55/45	%
RISE AND FALL TIMES				6			5	ns
LOGIC "0" LEVEL				+0.4			+0.4	V DC
LOGIC "1" LEVEL		Vcc - 0.4			Vcc - 0.4			V DC
LOAD	CMOS			30			30	pF
START-UP TIME				4			4	ms
MODULATION BANDWIDTH	(-3 dB)	5			5			KHz
ENABLE/DISABLE TIME				100			100	ns

* Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging shock and vibration.

Note: A 0.01-0.1 µF bypass capacitor should be placed between Vcc (Pad 6) and GND (Pad 3) for stable oscillation and to minimize power line noise.

PACKAGE DIMENSIONS (mm)

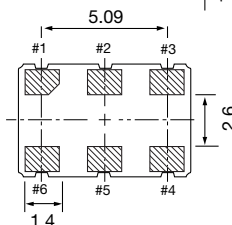
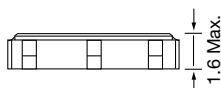
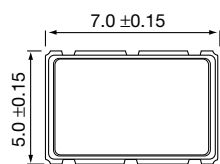


Figure 1) RXDVX93/95 Top and Side view

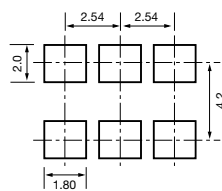


Figure 6) Land Pattern

PIN CONNECTIONS

#1	V CONTROL
#2	TRI-STATE
#3	GND
#4	OUTPUT
#5	NC
#6	Vcc

RXDVX93/RXDVX95 TRI-STATE CONTROL VOLTAGE

RXDVX93, PAD 5	RXDVX95, PAD 5	PAD 4
OPEN	OPEN	OSCILLATION
+2.31V MIN	+3.5V MIN	OSCILLATION
+0.99V MIN	+1.5V MIN	HIGH IMPEDANCE