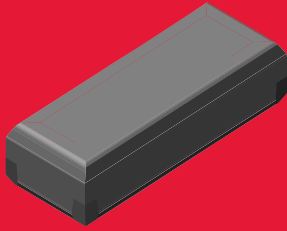


FEATURES

- Low Profile
- Long term stability
- 1 mm height max.



32.768 KHz SMD TUNING FORK CRYSTAL

The ultra-miniature RXDWC31 is a very compact SMD Tuning Fork Crystal. The 3.2 x 1.2 x 1 mm package is ideal for applications where real estate is at a premium.

PART NUMBERING GUIDE "EXAMPLE"

PART NUMBER	FREQUENCY
RXDWC31	32.768 KHz

* Load capacitance (xx=xx pF, S= series resonance)

Note: See Product Selection Guide for additional options.

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
FREQUENCY	F ₀		32.768		KHz
FREQUENCY TOLERANCE	Δf/f ₀			±20	PPM
LOAD CAPACITANCE			12.5		pF
DRIVE LEVEL	D _L			1.0	μW
EQUIVALENT SERIES RESISTANCE	R _L			50K	Ω
TURNOVER TEMPERATURE		+20	+25	+30	°C
TEMPERATURE COEFFICIENT	β		-0.035	-0.043	ppm/°C ²
SHUNT CAPACITANCE	C ₀		1.7		pF
OPERATING TEMPERATURE RANGE	T _{OPR}	-40		+85	°C
STORAGE TEMPERATURE RANGE	T _{STG}	-55		+125	°C
INSULATION RESISTANCE	@ 100v DC ±15v	500M			Ω

PACKAGE DIMENSIONS (mm)

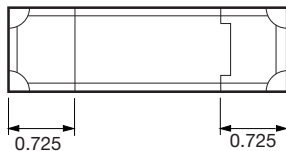
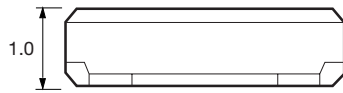
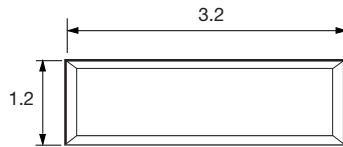


Figure 1) RXDWC31 Top, Side & Bottom views



Figure 3) RXDWC31 Crystal Connection

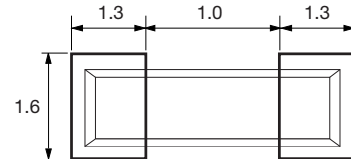


Figure 2) RXDWC31 Land Pattern