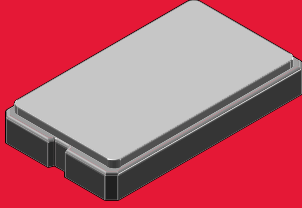


FEATURES

- Compact and low profile
- Glass sealed ceramic package
- Tape & Reel (1000 pcs)



SMD QUARTZ CRYSTAL

The RXD532 is our sub-miniature SMD crystals with 3.2 x 5 mm footprint. This package is ideal for today's compact wireless applications where board space is critical.

PART NUMBERING GUIDE "EXAMPLE"

PART NUMBER	LOAD CAPACITANCE*	TAPE & REEL	FREQUENCY
RXD532	32	R	20.000 MHz

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

Note: See Product Selection Guide for additional options including tighter tolerances or extended temperature range.

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
FREQUENCY RANGE		14.300		40.000	MHz
CALIBRATION TOLERANCE	@ +25°C			±50*	PPM
FREQUENCY STABILITY ref @25°C	-10 ~ +60°C			±50*	PPM
SHUNT CAPACITANCE				5	pF
LOAD CAPACITANCE	C _L (Customer Specified)	12	18.0 standard	Series	pF
DRIVE LEVEL	DL			100	μW
OPERATING TEMPERATURE	T _{OPR} **	-10		+60	°C
STORAGE TEMPERATURE	T _{STG}	-40		+85	°C
AGING CHARACTERISTICS (PER YEAR)	@ +25°C ± 3°C per year			±5	PPM

* Tighter specifications are available. **Extended temperature range available.

EQUIVALENT SERIES RESISTANCE / MODE OF OSCILLATION

FREQUENCY RANGE (MHz)	MODE OF OSC.	MAX. ESR (Ω)	FREQUENCY RANGE (MHz)	MODE OF OSC	MAX ESR (Ω)
14.300 ~ 17.999	Fundamental	100	25.000 ~ 40.000	Fundamental	60
18.000 ~ 24.999	Fundamental	60			

PACKAGE DIMENSIONS (mm)

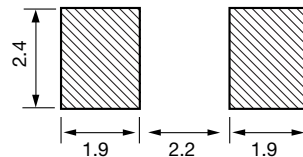
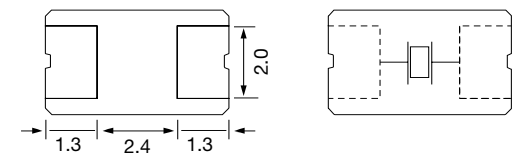
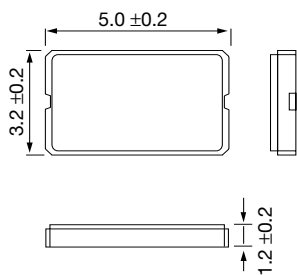


Figure 1) RXD532 - Top, Side Bottom and End views

Figure 2) Land Pattern

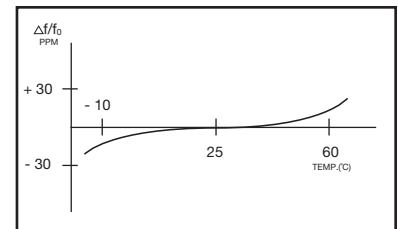


Figure 3) Frequency vs Temperature Curve