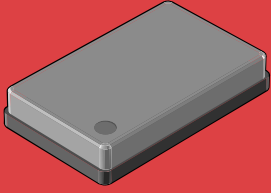




RXD32K

FEATURES

- 2.0 mm low profile
- SMD version
- 3.3 V input voltage
- Tape & Reel (1000 pcs)



32.768 KHz SMD CLOCK OSCILLATOR

The RXD32K oscillator utilizes the 32.768KHz tuning fork crystal in a SMD ceramic package. It is designed specifically for wireless PCMCIA and portable communication equipment applications.

PART NUMBERING GUIDE “EXAMPLE”

PART NUMBER
RXD32K

OPERATING CONDITIONS/ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
OUTPUT FREQUENCY	F_0		32.768		KHz
FREQUENCY STABILITY	-10 ~ +60°C	-60		+30	PPM
FREQUENCY STABILITY	-40 ~ +85°C	-140		+30	PPM
OPERATING TEMPERATURE	T_{OPR}	-40		+85	°C
STORAGE TEMPERATURE	T_{STG}	-40		+85	°C
INPUT VOLTAGE V_{CC}		+1.8V	+3.3V	+5.0V	V DC
INPUT CURRENT	with 15 pF load		8	15	μA
SYMMETRY	at 1/2 V_{CC} level and +25°C	40/60	50 ± 10	60/40	%
RISE AND FALL TIMES				200	ns
“0” LEVEL				$V_{CC} \times 0.1V$	
“1” LEVEL				$V_{CC} \times 0.9V$	
LOAD	CMOS			15	pF

PACKAGE DIMENSIONS (mm)

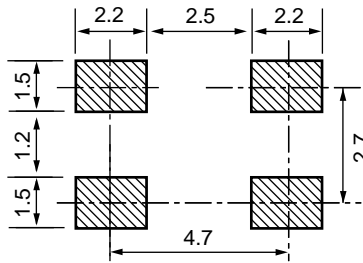
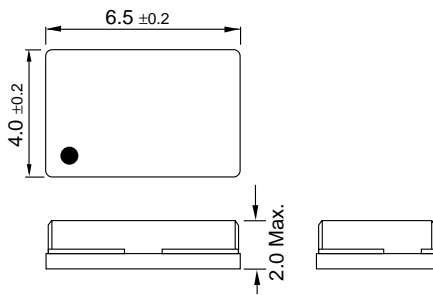


Figure 2) Land Pattern

PIN CONNECTIONS	
#1	NC
#2	GND
#3	OUTPUT
#4	V_{CC}

PACKAGE DATA	
COVER	METAL
BASE	CERAMIC
TERMINAL PLATING	GOLD

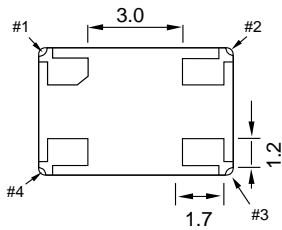
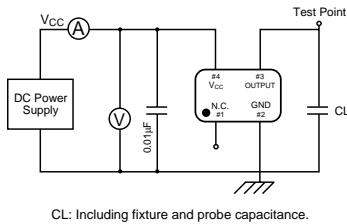


Figure 1) Top, Bottom and Side views



CL: Including fixture and probe capacitance.

Figure 3) Test Circuit

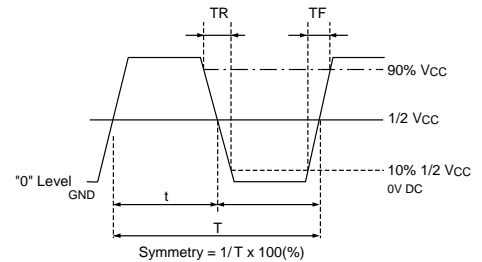


Figure 4) Output Wave Form