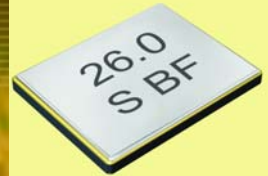


# USE-USX-252005



CRYSTAL

SMD



**TYPICAL APPLICATIONS**

**FEATURES**

Ultra-thin, Ceramic SMD Package, Vacuum Seam Sealed, Lead-free Design, Tight Tolerance and Stability, Reflow Soldering, Emboss Taping, RoHS Compliant Standard

**DIMENSIONS**

2.5x2.0x0.5[mm]

**TYPICAL SPECIFICATIONS**

Model	USE-USX-252005	
Nominal Frequency Range	16.000~32.000MHz	
Standard Frequency	16.000, 20.000, 26.000, 32.000MHz	
Vibration Mode	Fundamental [AT]	
Frequency Tolerance (@ +25°C)	±10 ppm	
Freq. Temp. Characteristics (Ref. to 25°C)	±10 ppm	±15 ppm
Operating Temperature Range	-20°C~+75°C	-30°C~+85°C
Storage Temperature Range	-40°C~+90°C	
Load Capacitance	8pF, 10pF, 12pF	
Shunt Capacitance	5pF Max.	
Drive Level	10µW (100µW Max.)	
Equivalent Series Resistance	See Table 1	
Aging (+25°C)	±1, ±3 ppm / year Max.	

Please consult with our sales department at: [sales@us-electronics.com](mailto:sales@us-electronics.com) for other parameters.

\*Package quantity 3,000 pcs max./reel.

**OUTLINE DIMENSIONS**

Unit:mm

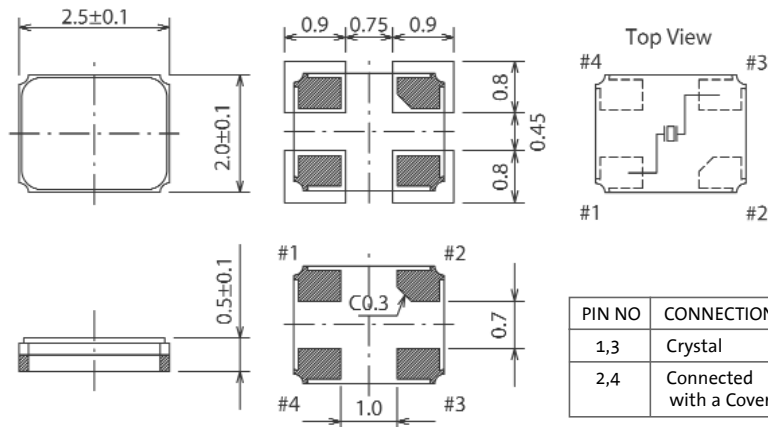


TABLE 1: ESR

AT-cut Fundamental	
Frequency (MHz)	ESR(Ω)
16.000 ~ 25.999	100
26.000 ~ 32.000	50