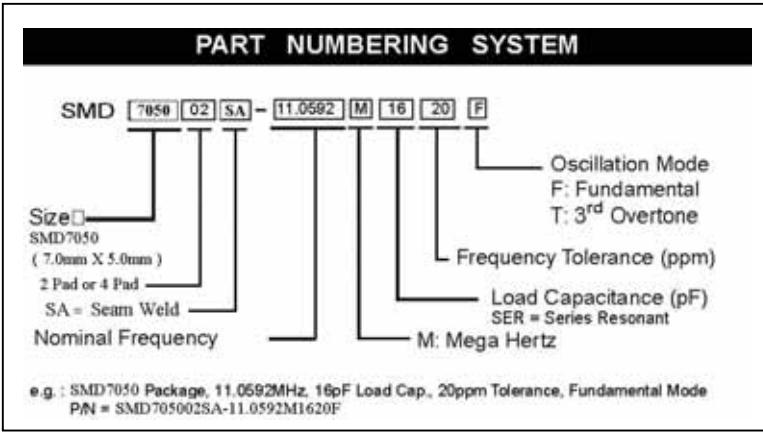




SMD7050 SEAM WELD TYPE CRYSTAL RESONATOR



Application

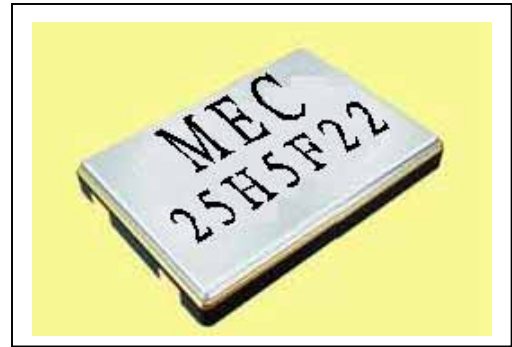
Bluetooth, Wireless LAN, Audio Equipment
Disc Drive, A/V card, Cordless Telephone, Pager
Notebook Computer, Wireless Security System

Features

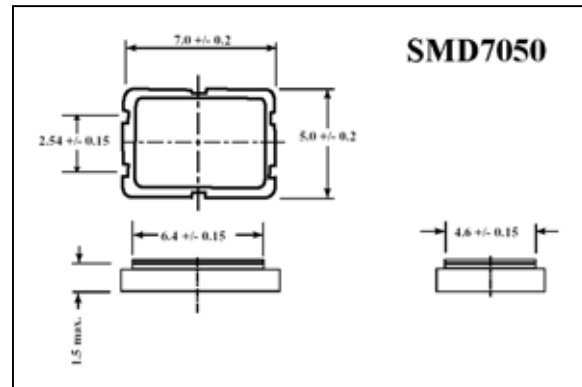
The SMD7050 is ultra-thin, ceramic SMD Seam Weld type package with Lead-free, tight tolerance, and stability reflow soldering to be possible.

Generic Specification

Nominal Frequency Range	7.000MHZ — 50.000MHZ	30.000 -- 125.000MHZ
Vibration Mode	Fundamental	Third Overtone
Temperature Stability at 25°C	10PPM @ -10°C — +60°C ; 20PPM @ -30°C — +80°C	
Frequency Tolerance at 25°C	+/-10PPM, +/-20PPM, +/-30PPM, +/- 50PPM	
Load Capacitance	Series, 10pF, 12pF, 16pF, 18pF, 20pF	
Operating Temperature Range	-10°C — +60°C; -20°C — +70°C; -30°C — +85°C	
Storage Temperature Range	-40°C — +85°C	
Drive Level	10uW (100uW max.)	
Aging Rate at 25°C	+/-3 PPM per year Max	



External Dimension (Unit: mm)



Frequency Range and ESR

Nominal Frequency Range	AT cut Fundamental	AT cut Third Overtone
	Equivalent Series Resistance	
7.000 -- 9.999MHz	70 Ohm Max	
10.000 -- 19.999MHz	60 Ohm Max	
20.000 -- 49.999MHz	50 Ohm Max	
30.000 -- 125.00MHz		80 Ohm Max

Internal Connections and Soldering Land Pattern

