



## HSX211S Series-2.05mm x 1.65mm

### CRYSTAL RESONATOR, SEAM SEALED CERAMIC PACKAGE



#### Features

- Ultra miniature SMD type crystal device.
- High precision and reliability with excellent heat resistance.
- Optimal solution for smartphone applications with limited design space, miniaturized wireless module devices, RFID application, and other consumer based products.

#### STANDARD SPECIFICATION:

| ITEMS  | PARAMETER   |  |  |
|--|---|--|--|
|  | 16 ~ 30MHz  | 30 ~ 60MHz                               | 60 ~ 96MHz                               |
| Frequency Range                                | 16 ~ 30MHz  | 30 ~ 60MHz                               | 60 ~ 96MHz                               |
| Mode   | Fundamental   |  |  |
| Frequency Tolerance                            | $\pm 7\text{ppm} \sim \pm 50\text{ppm}$ (at. $25^\circ\text{C}$ ), or Specify                               |  |  |
| Frequency Stability over Operating Temperature | $\pm 10\text{ppm} -20 \sim +75^\circ\text{C}$ , $\pm 20\text{ppm} -40 \sim +105^\circ\text{C}$ , or Specify |  |  |
| Load Capacitance                               | Series, 8pF, 10pF, 12pF, or Specify   |  |  |
| Drive Level                                    | $10\mu\text{W}$ (100 $\mu\text{W}$ Max.)  | $10\mu\text{W}$ (100 $\mu\text{W}$ Max.) | $10\mu\text{W}$ (200 $\mu\text{W}$ Max.) |
| Equivalent Series Resistance                   | 200 $\Omega$ Max.   | 80 $\Omega$ Max.                         | 80 $\Omega$ Max.                         |
| Storage Temp. Range                            | $-40 \sim +125^\circ\text{C}$   |  |  |

**Packing Unit : 3,000pcs/Reel.**

#### DIMENSION

Unit: mm

