## 5aRonix-mLERA

## Ceramic Glass Sealed

## FB Series

- AT-cut crystal
- Exenoted bt RoHS directive
- $11.8 \times 5.5 \mathrm{~mm}$ ceramic package
- Available on tape and reel, $2000 \mathrm{pcs} / \mathrm{reel}$
- Reflow temperature $260^{\circ} \mathrm{C}$ for 10 seconds max.


| Specifications | $3.5 \sim 30.0 \mathrm{MHz}$ |
| :--- | :--- |
| Frequency Range | $\pm 30 \mathrm{ppm}, \pm 50 \mathrm{ppm}$, or specify (at $\left.25^{\circ} \mathrm{C}\right)$ |
| Frequency Tolerance | $\pm 30 \mathrm{ppm}, \pm 50 \mathrm{ppm}$, or specify |
| Frequency Stability | $16 \mathrm{pF}, 18 \mathrm{pF}, 20 \mathrm{pF}$, or specify |
| Load Capacitance (CL) | $-40^{\circ} \mathrm{C} \sim+85^{\circ} \mathrm{C}$, or specify |
| Operating Temperature | $-55^{\circ} \mathrm{C} \sim+125^{\circ} \mathrm{C}$ |
| Storage Temperature | 7.0 pF max. |
| Shunt Capacitance (Co) | $10 \mu \mathrm{~W}$, or specify |
| Drive Level | $\pm 3 \mathrm{ppm} /$ year @ $25^{\circ} \mathrm{C}$ 1st year |
| Aging |  |


| Frequency Range | ESR $(\Omega)$ | Mode |
| :--- | :--- | :--- |
| $3.500 \sim 6.000 \mathrm{MHz}$ | 250 max. | Fundamental |
| $6.000 \sim 10.000 \mathrm{MHz}$ | 100 max. | Fundamental |
| $10.000 \sim 30.000 \mathrm{MHz}$ | 80 max. | Fundamental |



