

# Resin Sealed SMD Crystal



Model: FQ1045A

RoHS Compliant / Pb Free

Rev. 3/23/2010

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Need a  
Sample®

## FEATURES

- Surface Mount Resin Sealed
- Low Cost
- Ultra Low Profile
- Fundamental

## OPTIONS

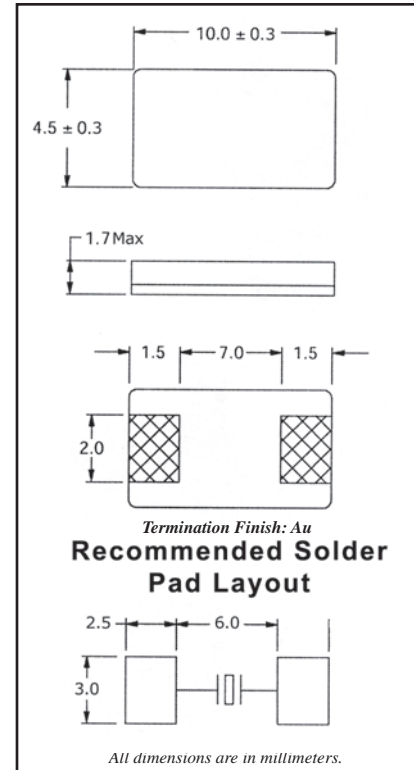
- Tolerances to  $\pm 20$  PPM
- Stabilities to  $\pm 20$  PPM
- Temp Range to  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

| • PART NUMBER <a href="#">Learn More</a> - Internet Required |              |                       |
|--|--------------|-----------------------|
| Part Number  | Model Number | Frequency Range (MHz) |
| 735A-Frequency-xxxxx   | FQ1045A      | 3.2768 ~ 7.000        |

| • STANDARD SPECIFICATIONS <sup>1</sup>                       |   |
|--|---|
| PARAMETERS   | MAX (unless otherwise noted)                              |
| Frequency Range (Fo)   | 3.2768 ~ 7.000 MHz  |
| Frequency Tolerance @ 25°C                                   | $\pm 30$ PPM <sup>1</sup>                                 |
| Frequency Stability, ref @ 25°C<br>Over Operating Temp Range | $\pm 30$ PPM <sup>1</sup>                                 |
| Temperature Range  |   |
| Operating (TOPR)   | $0^{\circ}\text{C} \sim +70^{\circ}\text{C}$ <sup>1</sup> |
| Storage (TSTG)   | $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$            |
| Shunt Capacitance (Co)                                       | 7 pF  |
| Load Capacitance (CL)  | 10 pF ~ Series<br>(Customer Specified)                    |
| Drive Level  | 0.5 mW  |
| Aging per year   | $\pm 5$ PPM   |

<sup>1</sup> Other tolerances, stabilities & operating temperature ranges available. Consult Fox Customer Service for specific requirements.

**NOTE:** The above specifications, having been carefully prepared and checked, is believed to be accurate at the time of publication; however, no responsibility is assumed by Fox Electronics for inaccuracies. All specifications subject to change without notice.



| Frequency Range (MHz) | Operating Mode | Max ESR $\Omega$ |
|-----------------------|----------------|------------------|
| 3.2768 ~ 7.000        | Fundamental    | 150              |

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| • TAPE SPECIFICATIONS (millimeters) |      |     |     |      |      |     |              |
|-------------------------------------|------|-----|-----|------|------|-----|--------------|
| MODEL                               | A    | B   | C   | D    | E    | F   | STD Reel QTY |
| FQ1045A                             | Ø1.5 | 4.0 | 8.0 | 11.5 | 24.0 | 2.0 | 1,000        |

| • REEL SPECIFICATIONS (millimeters) |     |     |     |      |      |      |     |
|-------------------------------------|-----|-----|-----|------|------|------|-----|
| MODEL                               | G   | H   | I   | J    | K    | L    | M   |
| FQ1045A                             | 2.0 | Ø13 | Ø21 | Ø100 | Ø330 | 24.4 | 2.0 |

