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With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 3.3V Ultra Miniature SMD HCMOS TCXO/VCTCXO



Model: FOX924 SERIES

RoHS Compliant / Pb Free

Rev. 5/8/2007

Page 1 of 2

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## FEATURES

- 3.3V Operation
- 1.5mm Height Max
- HCMOS Output
- Low Cost
- Tape and Reel (2,000 pcs. STD)

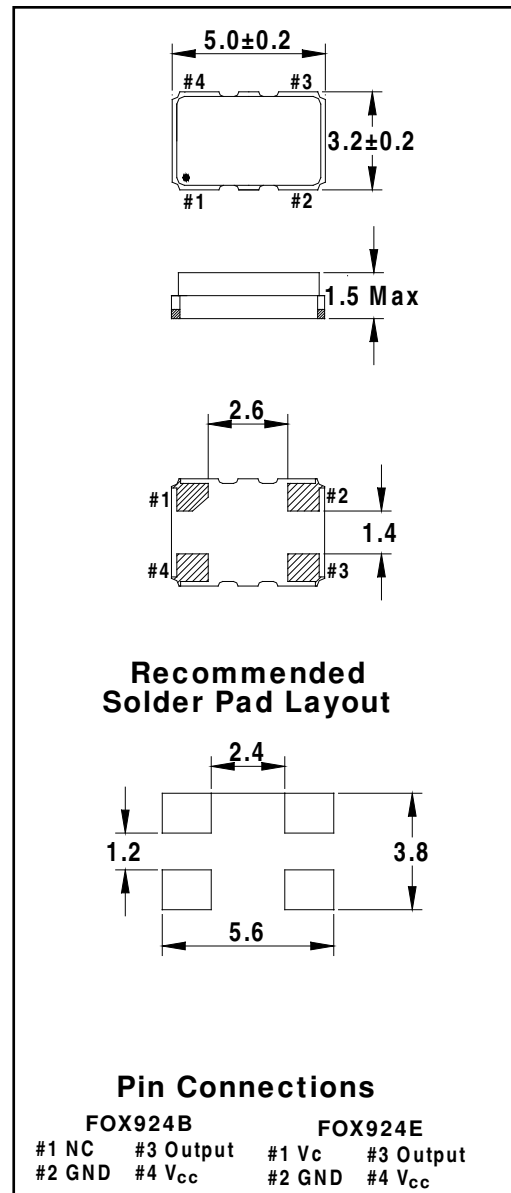
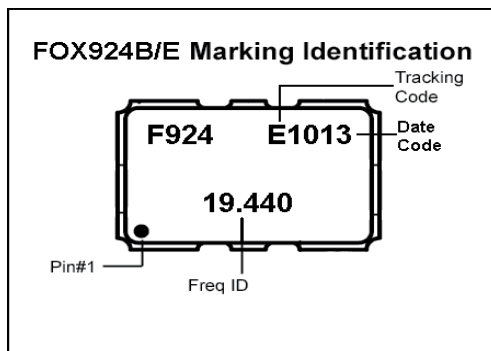
## OPTIONS

- Voltage Control (FOX924E)

| • PART NUMBER SELECTION <a href="#">Learn More</a> - Internet Required |              |                     |                           |                       |
|------------------------------------------------------------------------|--------------|---------------------|---------------------------|-----------------------|
| Part Number                                                            | Model Number | Frequency Stability | Operating Temperature(°C) | Frequency Range (MHz) |
| 718-Frequency-xxxxx                                                    | FOX924B      | See table           | -30 ~ +85                 | 10.000~30.000         |
| 719-Frequency-xxxxx                                                    | FOX924E      | See table           | -30 ~ +85                 | 10.000~30.000         |

| • ELECTRICAL CHARACTERISTICS                         |                              |
|------------------------------------------------------|------------------------------|
| PARAMETERS                                           | MAX (unless otherwise noted) |
| Frequency Range (Fo)                                 | 10.000 ~ 30.000 MHz          |
| Temperature Range                                    |                              |
| Operating (TOPR)                                     | -30°C ~ +85°C                |
| Storage (TSTG)                                       | -40°C ~ +85°C                |
| Supply Voltage (VDD)                                 | 3.3V ± 5%                    |
| Input Current (IDD)                                  | 6.0mA                        |
| Initial Frequency Tolerance @ 25°C (after 2 reflows) | ±1.5PPM                      |
| Frequency Stability                                  |                              |
| Over Temperature Range                               | ±2.5PPM                      |
| Over Supply Voltage Change (3.3V ± 5%)               | ±0.3PPM                      |
| Output Voltage (HCMOS) (VOL)                         | 0.5V                         |
| (VOH)                                                | 80% VDD Min                  |
| Output Load                                          | 15pF                         |
| Aging per year                                       | ±1.0PPM                      |
| Startup Time (Ts)                                    | 5mS Max                      |
| Pullability (Vc = 1.65 ± 1.5V)                       | ±5.0 ~ ±15.0 PPM             |

All specifications subject to change without notice.



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Page 2 of 2

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| • TAPE SPECIFICATIONS (millimeters) |      |     |     |     |      |     |              |
|-------------------------------------|------|-----|-----|-----|------|-----|--------------|
| MODEL                               | A    | B   | C   | D   | E    | F   | STD Reel QTY |
| FOX924                              | ∅1.5 | 4.0 | 8.0 | 5.5 | 12.0 | 1.7 | 2,000        |

| • REEL SPECIFICATIONS (millimeters) |     |     |     |     |      |      |     |
|-------------------------------------|-----|-----|-----|-----|------|------|-----|
| MODEL                               | G   | H   | I   | J   | K    | L    | M   |
| FOX924                              | 2.0 | ∅13 | ∅21 | ∅80 | ∅254 | 13.5 | 2.0 |

