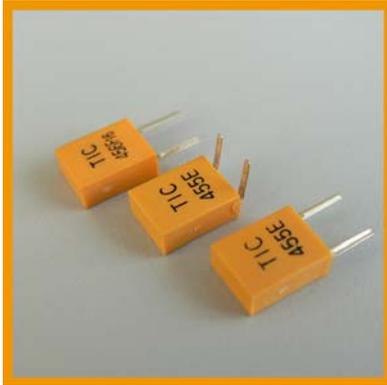


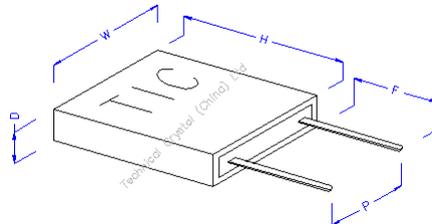
Ceramic Unit



ZTB Series (2-Pin) Resonator



- Frequency range from 190.00KHz ~ 1250.00KHz
- 2 pins for low frequency (KHz)
- Without built-in capacitor
- Bulk package only
- Bent leg available



| (maximum in mm) | W | D | H | F | P |
|------------------------|------|-----|------|------|-----------|
| 190.00KHz ~ 249.00KHz | 13.5 | 3.6 | 14.7 | 10.0 | 8.0 |
| 250.00KHz ~ 374.00KHz | 11.0 | 3.6 | 12.2 | 7.7 | 7.0 |
| 375.00KHz ~ 429.00MHz | 7.9 | 3.6 | 9.3 | 5.0 | 6.0 |
| 430.00KHz ~ 699.00KHz | 7.0 | 3.5 | 9.0 | 5.0 | 4.0 / 6.0 |
| 700.00KHz ~ 1250.00KHz | 5.1 | 2.2 | 6.3 | 2.5 | 4.0 |

Standard Parameter

| | 190.00 ~ 249.00 KHz | 250.00 ~ 374.00 KHz | 375.00 ~ 429.00 KHz | 430.00 ~ 699.00 KHz | 700.00 ~ 1250.0 KHz |
|--------------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Frequency Range (MHz) | 90.00KHz ~ 1250.00KHz | | | | |
| Frequency Tolerance (at 25 °C) | ±1KHz | ±1KHz | ±2KHz | ±2KHz | ±0.5% |
| Load Capacitance | C1 | 330pF | 220pF | 120pF | 100pF |
| | C2 | 470pF | | | 100pF |
| Operating Temperature Range | -20 °C ~ +80 °C | | | | |
| Storage Temperature Range | -30 °C ~ +80 °C | | | | |
| Temperature Stability | ±0.3% | | | | |
| IC Number | 1/6TC4069UBP x2 | | | | |
| Input Voltage | 5V ±0.1V | | | | |
| Insulation Resistance | 1MΩ | | | | |
| Aging (for 10 years) | ±0.3% | | | | |

Test Circuit for MOS IC

