

## Standard Thru-hole Ceramic Resonators with Built-in Capacitors - ZTT Series

### FEATURES

- RoHS Compliant, Wide Frequency Range
- Small Package, Built-in Loading Capacitance
- Industry de factor Standard Leads Spacing
- Superior Shock/Vibration Performance and Environmental Characteristics

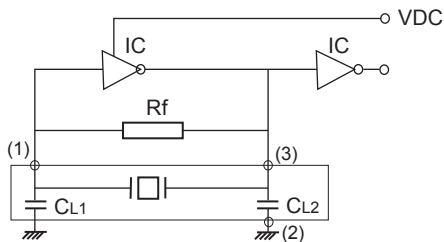
### STANDARD SPECIFICATIONS

Part Series	Freq. Range (MHz)	Freq. Accuracy (at 25°C)	Freq. Stability over Temperature (-20°C to 80°C)	Aging for 10 Years	Load Capacitance CL1/CL2
ZTT-MG	1.80 - 5.00	±0.5%	±0.3%	±0.3%	22 pF / 22 pF
ZTT-MT	5.01 - 13.00	±0.5%	±0.3%	±0.3%	22 pF / 22 pF
ZTT-MX	13.01 - 20.00	±0.5%	±0.3%	±0.3%	22 pF / 22 pF
ZTT-MX	20.01 - 25.99	±0.5%	±0.3%	±0.3%	15 pF / 15 pF
ZTT-MX	26.00 - 50.00	±0.5%	±0.3%	±0.3%	5 pF / 5 pF

**Part Number Guide:** ZTT-Frequency-MG/MT/MX-Others

**Part Number Example:** ZTT-5M000-MG (pack in bulk)  
ZTT-5M000-MG-ammo (pack in Ammopack, 2000 pcs per box)

### TEST CIRCUIT



MG/MT IC: CD4069UBEX2  
MX IC: TCTC74HCU04

VDC: +5V  
Rf: 1 MOhms

### OUTLINE DRAWING

