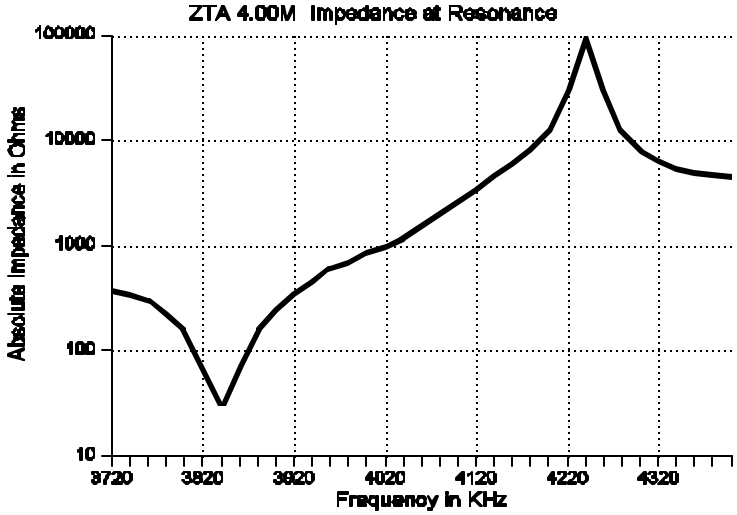
ZTA 4.00M Ceramic Resonators Frequency vs Impedance Characteristics

The ZTS 4.00MHz internal PZT piezoceramic element is identical to ZTA 4.00MHz, except without the twin built-in load capacitors. The following is ZTA 4.00M PZT ceramic resonator's absolute impedance in logarithmic magnitude ?Z? plotted as function of near resonant frequency. The frequency measured at low impedance is the resonance frequency and the frequency at high impedance is the antiresonance frequency.



ZTA 4.00M Ceramic Resonators Frequency vs Temperature Characteristics

PZT Piezoceramic material has excellent temperature coefficient, typically at 10^{-5}/°C from -20°C to +80°C. The following is ZTA 4.00M resonant frequency measurements plotted at extended operating temperature in degree C from -40°C to +120°C.