# Specification for Piezoelectric Ceramic Sensors for Thermal Meters

I. Model: TPY-R1M-1800

Second, product dimensions (OD * height): Φ20 *. 11

| Serial number | project | Performance parameters | Remarks |
|---|---|---|---|
| 1 | Device Frequency (KHz) | 1000 | |
| 2 | Static capacitance (PF) (1KHz under test conditions) | 1000 ± 15% | |
| 3 | Resonance Impedance (Ohm) | ? | |
| 4 | Capacitance-temperature change rate \|ΔC / C\| | % ≤20 (16%) | (-30 Deg.] C ~ + 80 deg.] C) |
| 5 | Temperature coefficient of frequency\|TKFr\| | ≤100ppm / deg.] C (60) | (-30 Deg.] C ~ + 80 deg.] C) |
| 6 | Reverse DC electric field withstand voltage | DC ≥ 100V | |
| 7 | Insulation resistance | ≥ 200MΩ | |
| 8 | Operating temperature | Deg.] C -30 ~ + 100 deg.] C | |
| 9 | Product Scope | Applicable to thermal energy measuring device With a variety of piezoelectric flow sensor | |
| Products with good electrical properties, capacitance and frequency of the low rate of change with the temperature, reverse-DC electric field higher advantages, With the industry advanced level. | | | |