

Type:Piezoelectric Ceramics

Material:Other

Frequency: 1.00 ± 0.05 MHz

Diameters:25mm

Impedance: $\leq 3 \Omega$

Static capacitance: $2700 \pm 20\%$ PF

ELECTRICAL SPECIFICATIONS

Items	Unit	Content
Resonant frequency (Fr)	MHz	1.00 ± 0.05
Resonant impedance (Rr)	Ω	≤ 3
Static capacitance (C_0)	pF	$2700 \pm 20\%$
tg δ	%	≤ 0.5
d33	$\times 10^{-12}$ C/N	≥ 280

TEST

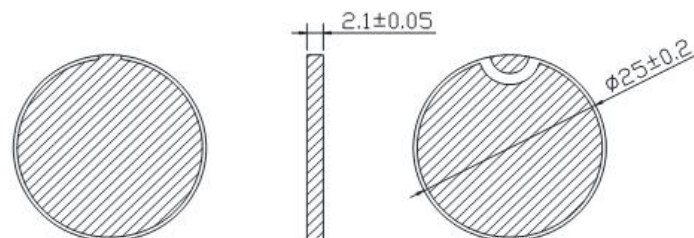
Test Conditions

Parts shall be measured under a condition (Temp.: $25^\circ\text{C} \pm 5^\circ\text{C}$, Humidity: 40%~70% R.H.).

Test procedure

Item	Test procedure
Resonant frequency (Fr)	Measuring thickness vibration mode, Impedance analyzer or Network analyzer
Resonant impedance (Rr)	
Static capacitance (C_0)	LCR Meter (at 1kHz/1V)
tg δ	
d33	d33 Meter

Dimensions (Unit: mm)



Part Number	HTCY
External Diameter	$\phi 8 \sim \phi 50$ mm
Dielectric Loss tg δ	$\leq 2.0\%$
Relative Dielectric Constant $\epsilon_{33}^T / \epsilon_0$	2300、2800、3200
Piezoelectric Strain Constant (d_{33})(C/N)	430×10^{-12} 、 540×10^{-12} 、 600×10^{-12}
Resonant Frequency	40kHz ~ 4MHz
Electrode Type	A/B/C
Electrode Material	银silver, 金gold
Recommended Material	P-668、P-678、P-672