

Type:Piezoelectric Ceramics

Material: Ceramic

Frequency: 142 ± 2.5

Diameters: 10mm

Static capacitance: $320 \pm 20\%$ pF

Resonant impedance (Zr): $\leq 40 \Omega$

Bandwidth: ≥ 11 kHz

Shape: Ring

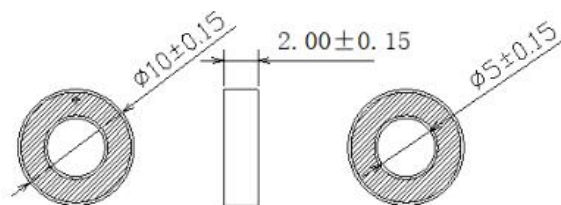
Application: Ultrasonic Welding

Size: 10mm*5mm*2mm Customize

Electrical Specifications

Items	Unit	Content
Resonant frequency (Fr)	kHz	142 ± 2.5
Bandwidth(DF)	kHz	≥ 11
Resonant impedance (Zr)	Ω	≤ 40
Static capacitance (Co)	pF	$320 \pm 20\%$

Appearance and Dimensions



Packing

Quantity per package (pcs)	Dimensions of EPE packaging (cm)	Dimensions of inner box (cm)	Dimensions of package (cm)	Gross weight (Kg)
5000	30.5×16.5×8.0	31.2×17.2×8.7	36.7×32.7×20.5	5

TEST	
Test Conditions	
Parts shall be measured under a condition (Temp.:25°C±5°C, Humidity: 40%~70% R.H.).	
Test procedure	
Item	Test procedure
Resonant frequency (Fr)	Measuring thickness vibration mode, Impedance analyzer or Network analyzer
Band width(DF)	
Resonant impedance (Rr)	
Static capacitance (C0)	Digital electric bridge or impedance analyzer,1kHz/1V
Loss(tgδ)	Impedance analyzer
d33	d33 Quasi static measuring instrument

Other dimension in mass production:

Both PZT4 and PZT8 material are available!

Dimension	
OD/mm	ID/mm
10	5
15	6
20	8
20	10
25	10
30	15
35	15
38	15