

# PZT ELECTRONIC CERAMIC CO.,LTD

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## Specification

1,Dimension: **Φ50\*2.6mm**

2,Part No.: **BT-Q50-2.6KJ**

3,Material: **BT8**

### Parameter Datasheet

Material	Electromechanical coupling coefficient	Piezoelectric constant	Qm	Relative permittivity $\epsilon^T_{33}/\epsilon_0$	Dielectric loss <b>tgδ%</b>
	Kp	d <sub>33</sub> (10 <sup>-12</sup> C /N)			
<b>BT8</b>	<b>0.52</b>	<b>≥180</b>	<b>≥1000</b>	<b>1000~1100</b>	<b>0.3</b>

BT8 has the comparative advantages of good piezoelectric comprehensive performance and strong field loss (small heat generation), but the insulation resistance is small and the fracture toughness deviation of the porcelain body.

### 4,Product sampling test typical value

Item	Radial Vibration Fr(Khz)	Band width (Khz)	Zr (Ω)	d <sub>33</sub> (10 <sup>-12</sup> C /N)	C (nf)	Remark
标准	47±1KC	≥5.0	<3.0	≥160	5.6±15 %	
1	47.94	5.24	1.8	195	5.60	Two electrodes on one side
2	47.85	5.62	1.8	202	5.70	
4	47.55	5.71	2.1	198	5.65	

4, Dimension:

