

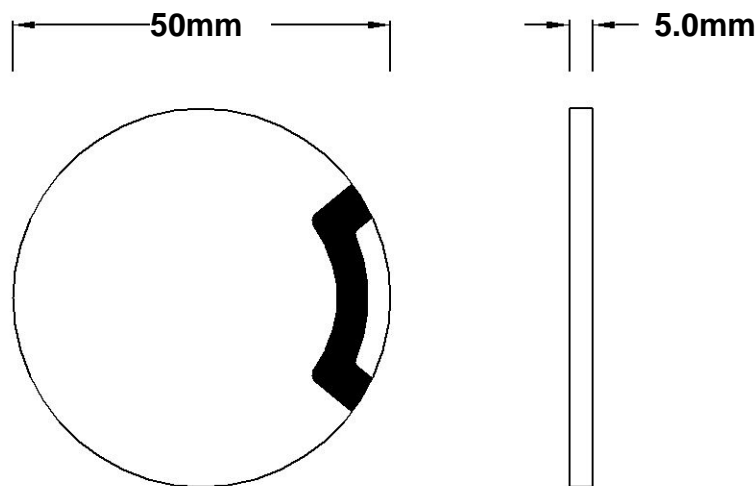
Specification

Piezoelectric Ceramic Element

Part No: ANN-P4F50050

Unit: mm

Dimension: $\Phi 50 \times 5.0$ (mm)



Piezoelectric Material: PZT-4

Silver Electrodes: on the same side

Electrical Characteristics:

1. Radial Frequency (fs)	: 46.0±5% KHz
2. Capacitance (C)	: 4150 pf±12.5%
3. Impedance	: $\leq 15\Omega$
4. Electromechanical coupling coefficient (Kr)	: ≥ 0.54
5. Dielectric dissipation factor ($\tan\delta$)	: ≤ 0.50
6. Piezoelectric charge coefficient (d_{33})	: $250 \times 10^{-12} \text{C/N}$
7. Mechanical quality factor (Q_m)	: ≥ 500
8. Curie temperature (T_c)	: 310°C

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