

Overview

KEMET's piezoelectric ceramics ND series are disc shaped piezoceramics that use original high-performance piezoelectric materials. These products are based on the principle of the piezoelectric effect that generates a charge in response to pressure and an inverse piezoelectric effect that generates strain in response to voltage.

Benefits

- N6 material has a high coupling coefficient, high Qm, and low $\tan\delta$, suitable for high power applications
- N21 material has a high coupling coefficient and a large g-constant, suitable for sensing applications
- Operating temperature range from -20°C to +60°C
- RoHS and REACH compliant

Applications

- Vibratory feeder
- Ultrasonic cleaning machine
- Ultrasonic levitation
- Ultrasonic flow and level meter
- Ultrasonic distance sensor
- Load sensor, impact sensor

©KEMET Corporation. All Rights Reserved.

PIEZOELECTRIC CERAMICS

ND Disc Shape Transducers

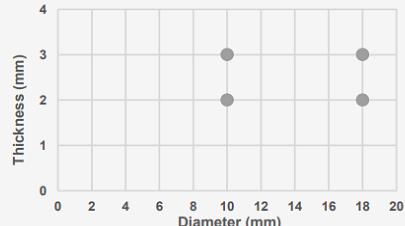
ND***N6



ND***N21



Shape Lineup



Construction

Part Number	Radial Resonance Frequency (kHz)	Capacitance (pF)
ND10X2N6	216	480
ND10X3N6	207	320
ND18X2N6	120	1,610
ND18X3N6	120	1,080
ND10X2N21	196	590
ND10X3N21	190	400
ND18X2N21	109	2,000
ND18X3N21	109	1,370

Product Configuration

