

# AE & AER Series Piezoelectric Actuators

## Overview

KEMET's multilayer piezoelectric actuators are highly precise mechanical actuators used in advanced industrial processes where force, speed, and accuracy are paramount. These actuators are formulated using KEMET's proprietary ceramic material and manufacturing processes that ensure reliability and robustness. These actuators are available in variety of shapes and form factors.

### Product Highlights

- High speed response
- High accuracy
- RoHS and REACH compliant

### Electrical Characteristics

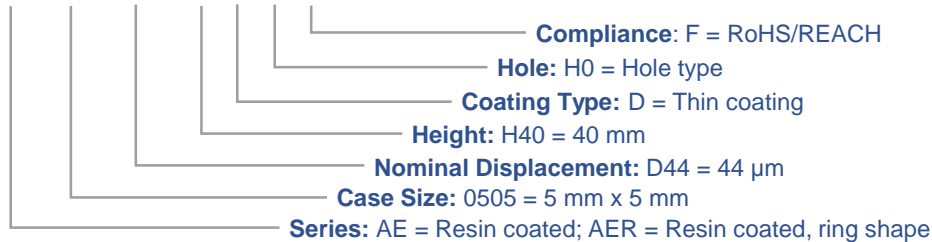
- Generated force: 3500 N/cm<sup>2</sup>
- Operating temperature: -25°C to +85°C
- Maximum driving voltage: 150 V

### Typical Applications

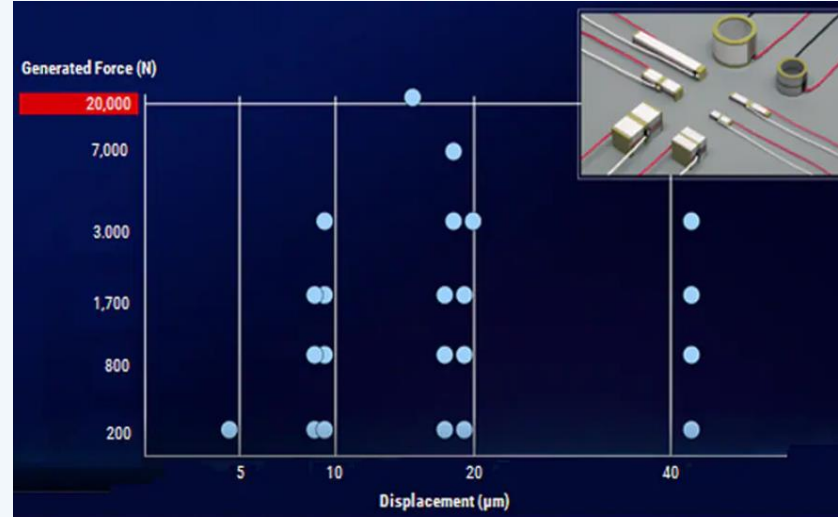
- Mass flow controllers
- Stepper tables
- Piezo stages
- Dispensers
- Control valves
- Active vibration controls

### Part Number System

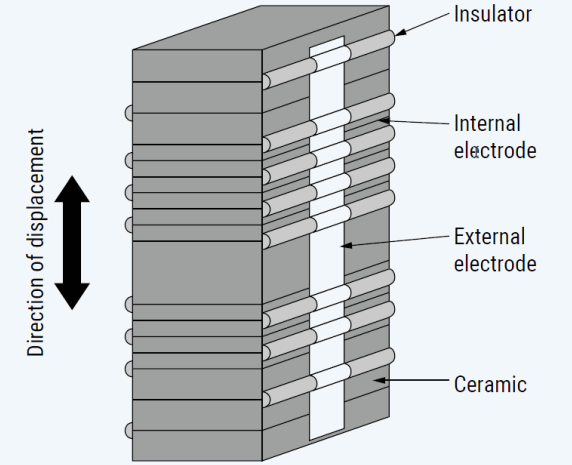
AE 0505 D44 H40D -H0 F



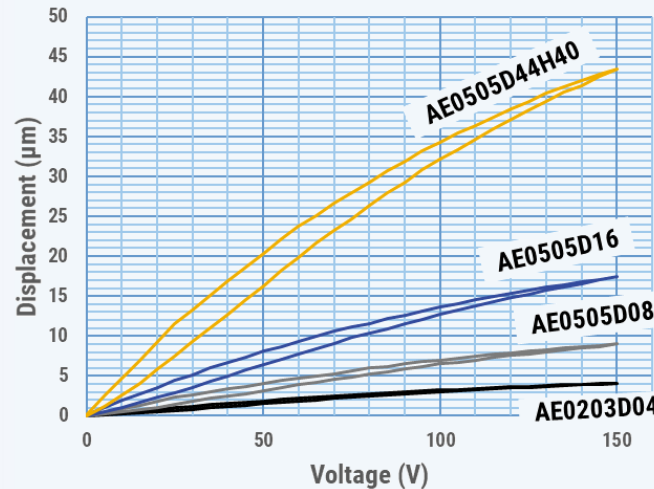
### Product Lineup



### Construction



### Displacement vs. Voltage



### Displacement vs. Force

