

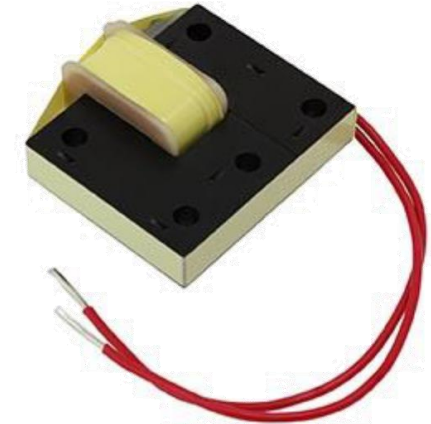
## IHPT-1411AF-AB0 CUSTOMIZABLE HAPTIC FEEDBACK ACTUATOR

### Product Benefits

- Delivers high impulse pulse and vibration capability for clear tactile feedback in noisy environments or anywhere a mechanical response to action is desired
- Compact, two-piece construction with mounting holes for easy installation and direct application of force
- Operating temperature range to +105°C for rugged environments
- Fast response time of < 5 ms can be varied to produce multiple haptic effects with a nominal operating voltage of 12 V, up to 16 V
- Simple bobbin and core components allow designers to lay out a spring and housing that is incorporated into the display mounting, eliminating the need for additional housing
- Standard lead terminations are dipped in 100 % tin solder
- Vishay can customize the device's mounting orientation, termination types, and performance to any design's specifications
- RoHS-compliant, halogen-free, and Vishay Green

### Market Applications

- Industrial appliances utilizing LCD display panels or touch switches, building and factory automation and control systems, and electronic point of sale (POS) systems; medical monitoring, diagnostic, and surgical equipment; handheld radios; game or simulation controllers; and barcode scanners



### The Key Specifications

- Nominal operating voltage: 12 V
- Maximum operating voltage: 16 V
- Operating temperature range: -40°C to +105°C
- Typical response time: 5.0 ms
- Inductance at 1 kHz, 0.25 V, 0 A: 1.8 mH
- Typical DCR: 0.95 Ω
- Max. DCR: 1.09 Ω
- Coil to core dielectric withstand voltage: 150 VDC