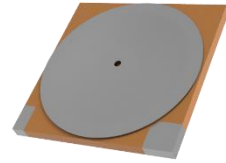




PUIaudio



Data Sheet

HD-PAC1212

Features:

- Square shaped thin profile
- Fast response times
- Strong haptic feedback

Design:

- Actuator dimensions: 12 x 12 x 1.44 mm (LxWxH)
- Emphasized displacement using titanium cymbals
- RoHS/REACH exempt PZT ceramics

Specifications

Parameters	Values	Units
Maximum Input Voltage	80	V _{P-P} (15ms Max)
Working Voltage Range	-20 ~ +60	-V _{P-} ~ +V _{P-}
Resonant Frequency	24 ± 5	KHz
Resonant Impedance	≤ 40	Ω
Nominal Displacement	45 ± 10%	μM (@ -V _{P-} ~ +V _{P-})
Capacitance	1.0 ± 20%	μF (@ 1V, 1kHz)
Metal Plate Material	Titanium	-
Soldering Methods	Hand Solder; Low Melting Solder	-
Environmental Compliances	RoHS/REACH	Exempt 7c-1
Weight	1.04	Grams
Storage Temperature	-40 to +70	°C
Operating Temperature	-25 to +60	°C
Operating Humidity	< 75%	Relative Humidity

Storage:

- 1) Piezoelectric components should be avoided from being used or stored in corrosive gases such as chlorine, sulfur, acid, and alkaline gases. When storing at room temperature and normal humidity, try to avoid direct sunlight and sudden changes in temperature and humidity, which may cause sensor failure.
- 2) The storage of piezoelectric components should be avoided as much as possible under conditions of severe dust and high humidity.
- 3) The recommended storage temperature for the piezoelectric components is $25\pm 5^{\circ}\text{C}$, humidity is 25-65%RH.
- 4) It is recommended to use the piezoelectric components within 7 days after opening the package. If they are not used up, it is necessary to replace the desiccant in the packaging tray and vacuumize the packaging.

Transportation:

- 1) During transportation, piezoelectric components should be protected from sunlight and damp environments.
- 2) Avoid strong impact and vibration on the product during transportation.

Packaging

Pieces per tray / bag	Pieces per master carton
80pcs / TRAY	800pcs / BOX

Specifications Revisions

Revision	Description	Date
A	RELEASED FROM ENGINEERING	04/07/2022

Note:

1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are $\pm 0.5\text{mm}$ and angles are $\pm 3^{\circ}$.
2. Specifications subject to change or withdrawal without notice.