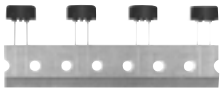
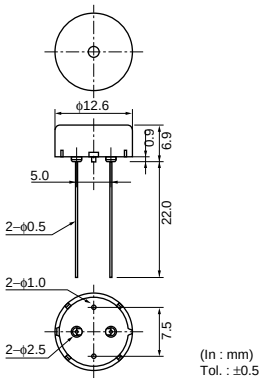
# Piezoelectric Sound Components

## Piezoelectric Sounders External Drive Pin Type Taping



Taking advantage of extensive automatic insertion design technology and materials experience, Murata has developed standard taping type piezoelectric sounder.
This Murata technology supports labor and cost saving activities.



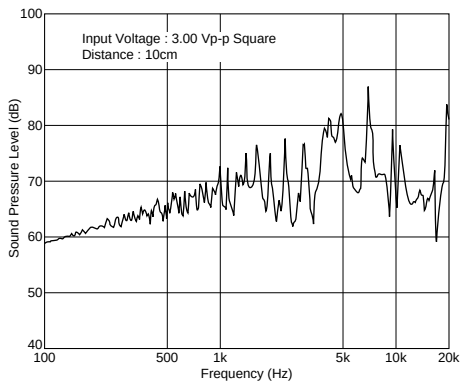



■ Features

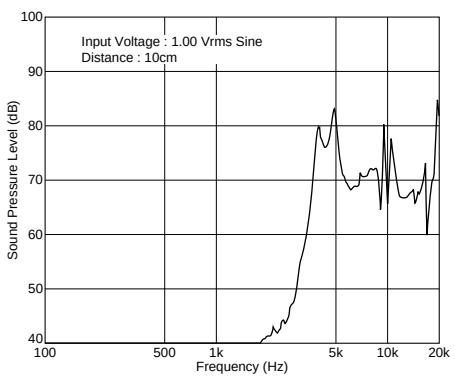
1. High and stable mountability
2. Ammo packaging
3. Minimum quantity (order in sets only): 500 pcs.

| Part Number | Sound Pressure Level (dB) | Sound Pressure Level (Ref. only) (dB) | Min. of Operating Voltage Range | Capacitance (nF) | Operating Temp. Range | Storage Temp. Range |
|---|---|---|---|---|---|---|
| **PKM13EPY-4000-A0** | 70 min. [3Vp-p,4kHz,square wave,10cm] | 70 min. [1Vrms,4kHz,sine wave,10cm] | 30 Vp-p max. | 5.5 ±30% [1kHz] | -20 to +70°C | -30 to +80°C |

■ Freq. Response (Square Wave 3Vp-p, 10cm)




■ Freq. Response (Sine Wave 1Vrms, 10cm)

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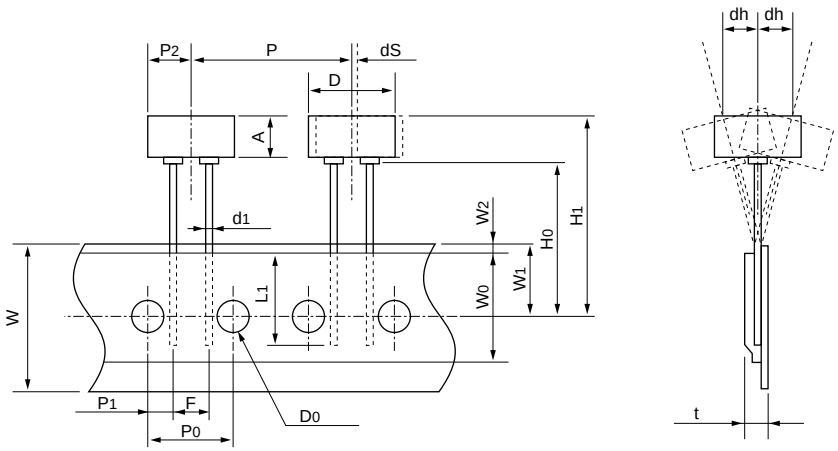
## ■ Taping Dimension




| Item | Code | Nominal Value | Tol. | Remarks |
|---|---|---|---|---|
| Width of diameter | D | ø12.6 | ±0.5 | |
| Height of component | A | 6.9 | ±0.5 | |
| Dimensions of terminal | $d_1$ | ø0.5 | ±0.1 | |
| Lead length under the hold down tape | $L_1$ | 8.0 min. | — | |
| Pitch of component | P | 25.4 | ±0.5 | |
| Pitch of sprocket | $P_0$ | 12.7 | ±0.2 | Tolerance for Pitches 10×$P_0$=127±2mm |
| Length from hole center to lead | $P_1$ | 3.85 | ±0.7 | |
| Length from hole center to component center | $P_2$ | 6.35 | ±0.7 | |
| Lead spacing | F | 5.0 | ±0.5 | |
| Slant to the forward or backward | dh | 0 | ±1.0 | 360° : 1mm max. |
| Width of carrier tape | W | 18.0 | ±0.5 | |
| Width of hold down tape | $W_0$ | 12.5 min. | — | Hold down tape does not exceed the carrier tape. |
| Position of sprocket hole | $W_1$ | 9.0 | ±0.5 | |
| Gap of hold down tape and carrier tape | $W_2$ | 2.0 max. | — | |
| Distance between the center of sprocket hole and lead stopper | $H_0$ | 18.0 | ±0.5 | |
| Total height of component | $H_1$ | 26.0 max. | — | |
| Diameter of sprocket hole | $D_0$ | ø4.0 | ±0.2 | |
| Total thickness of tape | t | 0.6 | ±0.2 | |
| Body tilt | dS | 0 | ±1.0 | |

(in mm)