

PIEZOELECTRIC COMPONENTS

ENCASED PIEZO ALARMS EXTERNAL DRIVE (NO INTERNAL CIRCUITRY) – PKM SERIES



The piezo alarms described on this page have no "feedback" tab and are particularly suited for the generation of both single tones and the unusual sound effects that are possible with specifically designed driving circuits. These sounds may include musical melodies, insect sounds, etc.

All mechanical and electrical components are designed to be compatible with most standard PC board assembly and wave soldering techniques.

FEATURES

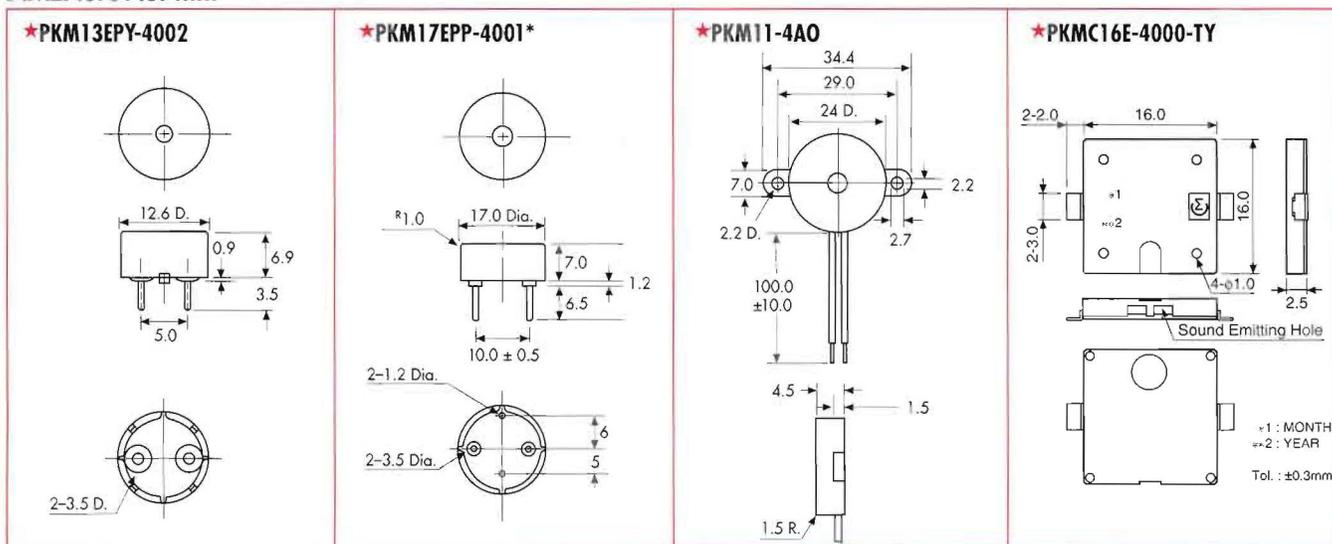
- Rugged construction

- Compatible with wave soldering techniques
- Low cost
- High reliability
- Variable tone outputs
- No EMI

APPLICATIONS

- Musical toys
- Home appliances (microwave ovens, refrigerators, etc.)
- Communications equipment
- Computer peripherals and office equipment
- Instrumentation, etc.

DIMENSIONS: mm

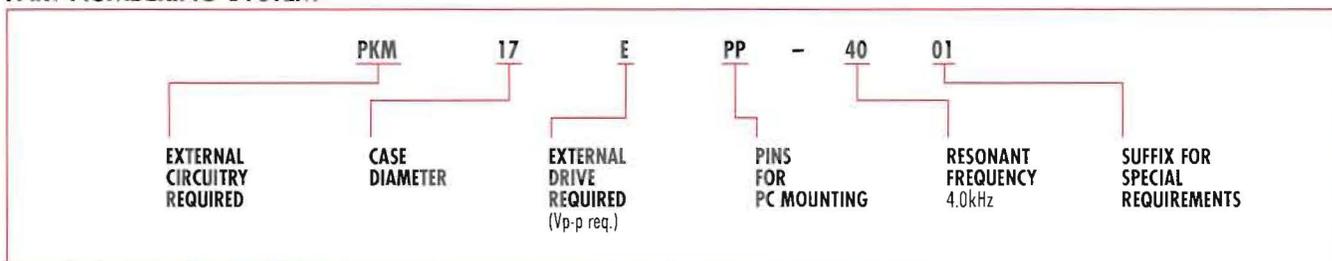


SPECIFICATIONS

Part Number	*PKM13EPY-4002	*PKM17EPP-4001†	*PKM11-4AO	*PKMC16E-4000-TY
Sound Pressure Level	70dB@10cm@3Vp-p Square Wave	72dB@10cm@3Vp-p	75dB@10cm@3Vp-p	75dB@10cm@3Vp-p Square Wave
Oscillating Frequency	4.0kHz	4kHz	4096	4kHz
Operating Voltage	3 ~ 25Vp-p	3 ~ 20Vp-p	3 ~ 25Vp-p	3 ~ 25Vp-p
Operating Temp. Range	-20°C ~ +70°C	-20°C ~ +70°C	-20°C ~ +60°C	-20°C ~ +70°C
Storage Temp. Range	-30°C ~ +80°C	-30°C ~ +80°C	-30°C ~ +70°C	-30°C ~ +80°C
Capacitance	5500pF ± 30%	7000pF ± 30%	10000pF ± 30%	14000 pF ± 30%
Leads	—	—	30AWG (UL-1571)	—

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PART NUMBERING SYSTEM



†These parts are available as sealed units for washing with tape covering the sound emitting hole. The part number should have an "S" suffix added.

*Available as standard through authorized Murata Electronics Distributors. †Applicable in North American market only. ‡Applicable in European market only.

For more detailed information regarding this product line in North America, see Catalog No. P-05-E. To receive additional information on Murata Products call 1-800-831-9172.

For more detailed information regarding this product line in Europe, see Catalog No. P37E-14.