

Note: This datasheet may be out of date. Please download the latest datasheet of PKM22EPH2003 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PKM22EPH2003

# PKM22EPH2003









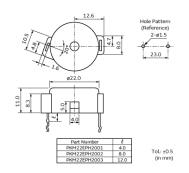
## **Applications**

Unsuitable	Please be sure to read and comply with	
Applications	these "Precautions for use."	
	Consumer equipment,Industrial	
	Equipment	
	Please refer to Our Website and	
	specifications, etc. for information about	
Specific	the performance, functions, quality,	
Applications	management, and safety required for	
	the above applications, and use	
	Products after confirming the	
	performance and reliability of the actual	
	Product.	



## Appearance & Shape







## Packaging Information

Packaging	Specifications	Standard Packing Quantity
-	Bulk	270



### **Features**

Externally driven piezoelectric sounders are used in digital watches, electronic calculators, telephones and other equipment. They are driven by a signal (ex.: 2048Hz or 4096Hz) from an LSI and provide melodious sound.

### Features

- 1. Low power consumption
- 2. No noise and high reliability

1 of 3

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.





# PKM22EPH2003

Note: This datasheet may be out of date. Please download the latest datasheet of PKM22EPH2003 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PKM22EPH2003



# **Specifications**

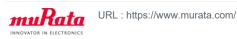
Oscillation circuits	Not built-in
Size	φ22.0×11.0 mm
Frequency	2.0kHz
Sound Pressure Level	85dB (typ.)
Sound Pressure Level	75dB (min.)
Measure Condition of Sound Pressure Level	[±1.5Vo-p,2.0kHz,square wave, 10cm]
Capacitance	17nF
Capacitance Tolerance	±30%
Measurement Condition of Capacitance	[120Hz]
Maximum input voltage	±12.5Vo-p max.
Operating Temperature Range	-20°C to 70°C
Storage Temperature Range	-30°C to 80°C
Shape	Lead
Lead Shape	Pin type
Lead length	Lead length:12.0mm
Drive Type	External Drive
EIAJ Part Number	PS-RP2-C22-20
Mass	3050mg

2 of 3

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.



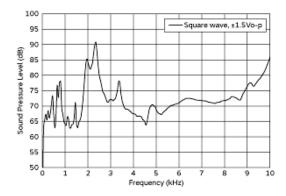
### Product Search Data Sheet

Note: This datasheet may be out of date. Please download the latest datasheet of PKM22EPH2003 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-us/products/productdetail?partno=PKM22EPH2003

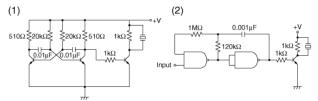
# PKM22EPH2003





The following are examples of externally driven circuits.
(1) Unstable multi-vibrator using Tr.

- (2) Circuits using inverters or NAND gates.



Frequency Response

Recommended Circuit

3 of 3

### Attention

1. This datasheet is downloaded from the website of Murata Manufacturing Co., Ltd. Therefore, it's specifications are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering.

2. This datasheet has only typical specifications because there is no space for detailed specifications.

Therefore, please review our product specifications or consult the approval sheet for product specifications before ordering.

