

#### Product Search Data Sheet

Note: This datasheet may be out of date.

Please download the latest datasheet of CDBLB455KCAY24-B0 from the official website of Murata Manufacturing Co., Ltd.

http://www.murata.com/en-gb/products/productdetail?partno=CDBLB455KCAY24-B0

# CDBLB455KCAY24-B0









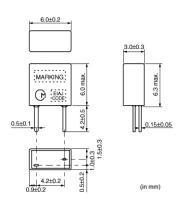
### **Applications**

| Unsuitable               | Please be sure to read and comply with     |  |
|--------------------------|--|--|
| Applications             | these "Precautions for use."               |  |
| Specific<br>Applications | Consumer equipment                         |  |
|                          | Please refer to Our Website and            |  |
|                          | specifications, etc. for information about |  |
|                          | the performance, functions, quality,       |  |
|                          | 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<br>Packing<br>Quantity |
|-----------|----------------|---------------------------------|
| В0        | Bulk           | 500                             |



### **Features**

Ceramic discriminator consists of a wide bandpiezoelectric resonator. It is ideal for mobile communications equipment due to its small size and light weight. Standard line includes products for a wide range of applications, from cordless telecom to cellular telephone. Practically adjustment free at the detection circuit, small size is suitable for downsizing.

#### Features

- 1. Small in size and light weight
- 2. Adjustment free at detection circuit
- 3. High sensitivity and stability
- 4. Wide range of standard products are available for various ICs.
- 5. Operating temperature range: -20 to +80 (°C), Storage temperature range: -40 to +85 (°C)

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#### 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





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## **Specifications**

| Operating Temperature Range | -20°C to 80°C   |
|-----------------------------|-----------------|
| Shape                       | Lead            |
| Center Frequency            | 455.0kHz        |
| Nominal Center Value        | Yes             |
| Recovered Audio 3dB BW      | fn±4.0kHzmin.   |
| Distortion(max.)            | 2%              |
| Area of Distortion          | 2.0%max.(at fn) |
| Recovered Audio Output      | 100mV±40        |
| IC                          | TA31136         |
| IC Maker                    | TOSHIBA         |
| Mass                        | 204mg           |

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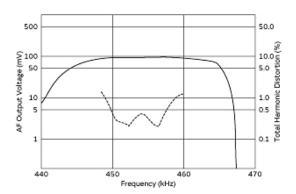
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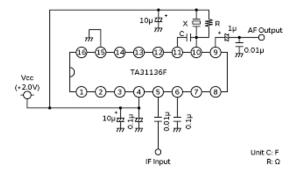
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# CDBLB455KCAY24-B0







| Part Number (X)   | С    | R     |
|-------------------|------|-------|
| CDBLB455KCAY24-B0 | 91pF | 1.5kΩ |
| CDBKB455KCAY24-R0 | 91pF | 1.2kΩ |

Frequency Characteristics

Measurement Circuit

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