

# Isolators

**muRata**

## CEG23 Series

### ■ Features

Small size: 2.0x2.0x1.0mm

Low Insertion Loss, High Isolation

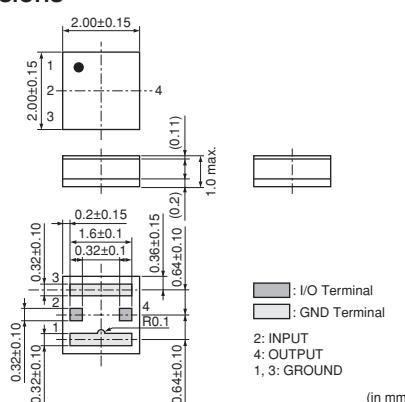
Compliance with RoHS Directive

### ■ Applications

Mobile Phone



### ■ Dimensions



### ■ Standard Specifications

Part Number	F <sub>o</sub> (MHz)	IL at BW (max.) (dB)	Isolation (min.) (dB)	Rating Power (max.) (W)
CEG231G44CCB101	1445.4	0.68	10	1.2
CEG231G73DCB100	1732.5	0.65	10	1.2
CEG231G74DCB100	1747.5	0.7	8	1.2
CEG231G76CCB100	1767.4	0.65	10	1.2
CEG231G88DCB100	1880	0.65	10	1.2
CEG231G88DCB101	1882.5	0.65	10	1.2
CEG231G95DCB100	1950	0.65	10	1.2
CEG231G95ECB100	1952.5	0.8	6	1.2
CEG232G01BCB100	2017.5	0.69	10	1.2
CEG232G35DCB100	2350	0.65	7	1.2
CEG232G53DCB100	2535	0.63	8	1.2
CEG232G59CCB100	2595	0.63	8	1.2
CEG23707MCCB000	707	0.76	9.5	1.2
CEG23787MDCB000	787	0.65	10	1.2
CEG23832MDCB000	832	0.65	9.4	1.2
CEG23836MDCB000	836.5	0.65	10	1.2
CEG23847MDCB000	847	0.63	9.5	1.2
CEG23897MDCB000	897.5	0.68	9	1.2
CEG23911MDCB000	911.5	0.65	10	1.2

# Isolators

**muRata**

## CES Series

### ■ Features

CES20: 3.2×2.5×1.2mm

CES30: 3.2×3.2×1.6mm

CES40: 4.0×4.0×1.7mm

Low Insertion Loss, High Isolation

Compliance with RoHS Directive

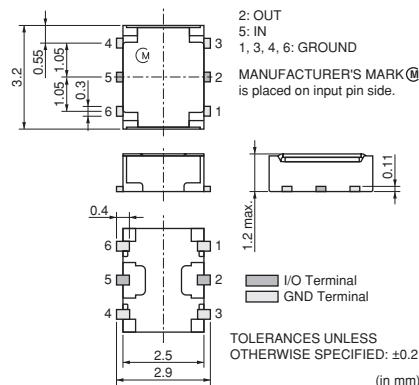
### ■ Applications

Base Station

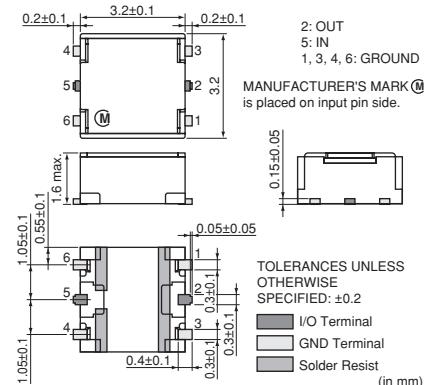


### ■ Dimensions

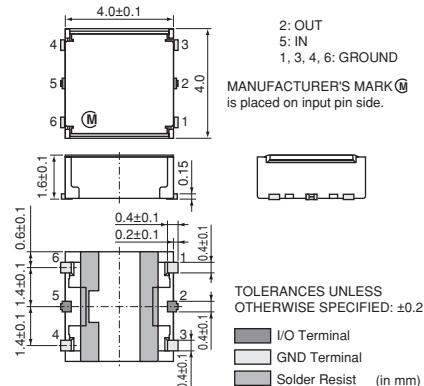
#### CES20 Series



#### CES30 Series



#### CES40 Series



### ■ Standard Specifications

Part Number	F <sub>o</sub> (MHz)	IL at BW (max.) (dB)	Isolation (min.) (dB)	Rating Power (max.) (W)
CES201G90CCB000	1900	0.6	13.5	5
CES202G35DCB000	2350	0.77	8.5	5
CES202G45DCB000	2450	0.77	9	5
CES202G53DCB000	2535	0.67	10.5	5
CES202G59CCB000	2595	0.7	8	5
CES202G59ECB000	2592.5	0.9	6	5
CES301G74DCB000	1747.5	0.74	10.5	5

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Part Number	F <sub>o</sub> (MHz)	IL at BW (max.) (dB)	Isolation (min.) (dB)	Rating Power (max.) (W)
<b>CES301G76CCB000</b>	1765	0.7	12	5
<b>CES301G84DCB000</b>	1842.5	0.68	11	5
<b>CES301G88DCB000</b>	1880	0.64	13	5
<b>CES301G90CCB000</b>	1900	0.62	14.5	5
<b>CES301G95DCB000</b>	1950	0.6	13	5
<b>CES301G95ECB000</b>	1952.5	0.82	9	5
<b>CES301G96DCB000</b>	1960	0.6	13	5
<b>CES302G14DCB000</b>	2140	0.62	13	5
<b>CES40836MDCB000</b>	836.5	0.75	10.5	5
<b>CES40881MDCB000</b>	881.5	0.73	10	5
<b>CES40897MDCB000</b>	897.5	0.75	10	5
<b>CES40906MDCB000</b>	906	0.78	10	5
<b>CES40942MDCB000</b>	942.5	0.85	10	5

## ■ Part Numbering

### Isolators

(Part Number) **CE G23 1G95 DCB100 RA1**  
① ② ③ ④ ⑤

#### ① Product ID

Product ID	
<b>CE</b>	Isolators

#### ② Series

Code	Series
<b>G23</b>	2.0×2.0×1.0mm
<b>S20</b>	3.2×2.5×1.2mm
<b>S30</b>	3.2×3.2×1.6mm
<b>S40</b>	4.0×4.0×1.7mm

#### ③ Nominal Center Frequency

Expressed by four-digits alphanumerics. If the unit is "MHz", it is expressed by three figures plus "M". If the unit is "GHz", a decimal point is expressed by capital letter "G".

#### ④ Individual Specification Code

Expressed by three letters and three figures.

#### ⑤ Packaging

Code	Packaging
<b>RA1</b>	1000 pcs. /Reel ( <b>CES20, CEG23</b> )
<b>RAB</b>	500 pcs. /Reel ( <b>CES30, CES40</b> )
<b>RB2</b>	2000 pcs. /Reel ( <b>CES30, CES40</b> )
<b>RB4</b>	4000 pcs. /Reel ( <b>CES20</b> )
<b>RB5</b>	5000 pcs. /Reel ( <b>CEG23</b> )

## EU RoHS Compliant

- All the products in this catalog comply with EU RoHS.
- EU RoHS is "the European Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment."
- For more details, please refer to our website 'Murata's Approach for EU RoHS' (<http://www.murata.com/info/rohs.html>).

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For products which are controlled items subject to the "Foreign Exchange and Foreign Trade Law" of Japan, the export license specified by the law is required for export.
2. Please contact our sales representatives or product engineers before using the products in this catalog for the applications listed below, which require especially high reliability for the prevention of defects which might directly damage a third party's life, body or property, or when one of our products is intended for use in applications other than those specified in this catalog.

① Aircraft equipment	② Aerospace equipment
③ Undersea equipment	④ Power plant equipment
⑤ Medical equipment	⑥ Transportation equipment (vehicles, trains, ships, etc.)
⑦ Traffic signal equipment	⑧ Disaster prevention / crime prevention equipment
⑨ Data-processing equipment	⑩ Application of similar complexity and/or reliability requirements to the applications listed above
3. Product specifications in this catalog are as of November 2012. They 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. If there are any questions, please contact our sales representatives or product engineers.
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7. No ozone depleting substances (ODS) under the Montreal Protocol are used in our manufacturing process.



**Murata Manufacturing Co., Ltd.**

<http://www.murata.com/>

#### Head Office

1-10-1, Higashi Kotari, Nagaokakyō-shi, Kyoto 617-8555, Japan  
Phone: 81-75-951-9111

#### International Division

3-29-12, Shibuya, Shibuya-ku, Tokyo 150-0002, Japan  
Phone: 81-3-5469-6123 Fax: 81-3-5469-6155 E-mail: [intl@murata.co.jp](mailto:intl@murata.co.jp)

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