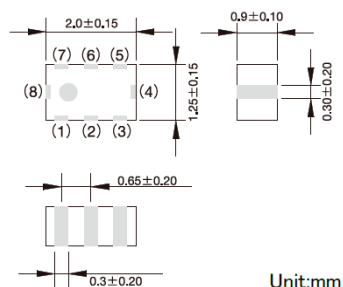


## Multilayer Ceramic Devices (Balance Type)

## FI212C245032-T



## ■ Features

- Item Summary  
Balance Type, 2.0x1.25x0.9mm  
for Bluetooth
- Lifecycle Stage  
Mass Production
- Standard packaging quantity (minimum)  
Taping Embossed 3000

## ■ Products characteristics table

|                                |                                         |
|--------------------------------|-----------------------------------------|
| System                         | Bluetooth                               |
| Passband Frequency1 (f1)       | 2400 to 2500 MHz                        |
| Insertion Loss2 (max)(in f1)   | 4 dB at 2400 to 2500MHz (-30 to +85 °C) |
| Ripple1 (max)(in f1)           | 1 dB at 2400 to 2500MHz                 |
| VSWR1 (max)(in f1)             | 2 at 2400 to 2500MHz (Unbalanced port)  |
| VSWR2 (max)(in f1)             | 2 at 2400 to 2500MHz (Balanced port)    |
| Amplitude Balance (max)(in f1) | 2.0 dB at 2400 to 2500MHz               |
| Phase Balance (in f1)          | $180 \pm 10$ deg at 2400 to 2500MHz     |
| Attenuation1 (min)(f1)         | 35 dB at 880 to 960MHz                  |
| Attenuation2 (min)(f1)         | 20 dB at 1710 to 1990MHz                |
| Attenuation3 (min)(f1)         | 20 dB at 1990 to 2170MHz                |
| Attenuation4 (min)(f1)         | 20 dB at 4800 to 5000MHz                |
| Unbalanced port Impedance      | 50 $\Omega$                             |
| Balanced port Impedance        | Conjugated match to CSR BC4             |
| Operating Temp. Range          | -30 to +85 °C                           |
| RoHS2 Compliance               | Yes                                     |
| REACH Compliance               | Yes                                     |
| Soldering                      | Reflow                                  |

## ■ External Dimensions

|             |                    |
|-------------|--------------------|
| Dimension L | $2.0 \pm 0.15$ mm  |
| Dimension W | $1.25 \pm 0.15$ mm |
| Dimension T | $0.9 \pm 0.10$ mm  |

2016.01.25

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.  
 TAIYO YUDEN reserves the right to make change to the Date at any time without notice.  
 Before making final selection, please check product specification.