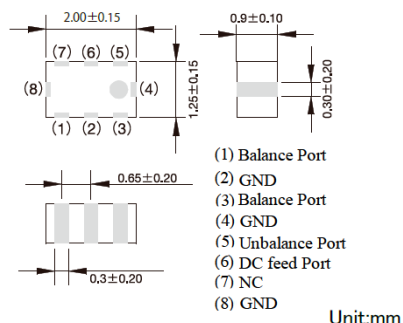


## Multilayer Ceramic Devices (Balance Type)

FI212C245033-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)	3 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 ± 10 deg at 2400 to 2500MHz
Attenuation1 (min)(f1)	25 dB at 880 to 960MHz
Attenuation2 (min)(f1)	15 dB at 1710 to 1990MHz
Attenuation3 (min)(f1)	15 dB at 1990 to 2170MHz
Attenuation4 (min)(f1)	15 dB at 4800 to 5000MHz
Unbalanced port Impedance	50 Ω
Balanced port Impedance	Conjugated match to CSR BC3
Operating Temp. Range	-30 to +85 °C
RoHS Compliance (10 subst.)	Yes
REACH Compliance (201 subst.)	Yes
Halogen Free	Yes
Soldering	Reflow

## ■ External Dimensions

Dimension L	2.0 ± 0.15 mm
Dimension W	1.25 ± 0.15 mm
Dimension T	0.9 ± 0.10 mm

Please read this notice before using the TAIYO YUDEN products.



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Please do not incorporate our products into any equipment requiring high levels of safety and/or reliability (e.g., aerospace equipment, aviation equipment, medical equipment classified as Class IV by IMDRF, nuclear control equipment, undersea equipment, military equipment). When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.  
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