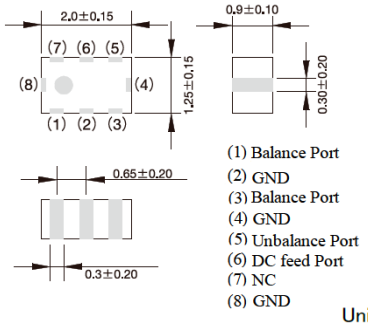
Spec Sheet

Multilayer Ceramic Devices (Balance Type)

FI212C245036-T



(1) Balance Port
(2) GND
(3) Balance Port
(4) GND
(5) Unbalance Port
(6) DC feed Port
(7) NC
(8) GND

Unit:mm

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 ℃)
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)	35 dB at 880 to 960MHz
Attenuation2 (min)(f1)	20 dB at 1710 to 1990MHz
Attenuation3 (min)(f1)	15 dB at 1990 to 2170MHz
Attenuation4 (min)(f1)	20 dB at 4800 to 5000MHz
Unbalanced port Impedance	50 Ω
Balanced port Impedance	Conjugated match to CSR BC5
Operating Temp. Range	-30 to +85 ℃
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

2019.10.24

The data is reference only. Electrical characteristics vary depending on environment or measurement condition.
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Before making final selection, please check product specification.

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