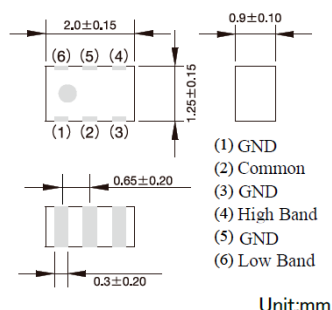


Multilayer Ceramic Devices (Diplexers)

FI212P245003-T



■ Features

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

■ Products characteristics table

System	Bluetooth/W-LAN
Frequency1	Low band
Passband Frequency1 (f1)	2400 to 2500 MHz
Insertion Loss2 (max)(in f1)	0.7 dB at 2400 to 2500MHz (-30 to +85 °C)
VSWR1 (max)(in f1)	2 at 2400 to 2500MHz
Attenuation1 (min)(f1)	14 dB at 4900 to 5150MHz
Attenuation2 (min)(f1)	20 dB at 5150 to 5350MHz
Attenuation3 (min)(f1)	14 dB at 5470 to 5825MHz
Frequency2	High band
Passband Frequency2 (f2)	4900 to 5825 MHz
Insertion Loss2 (max)(in f2)	0.9 dB at 4900 to 5150MHz (-30 to +85 °C)
Insertion Loss4 (max)(in f2)	0.8 dB at 5150 to 5350MHz (-30 to +85 °C)
Insertion Loss6 (max)(in f2)	1 dB at 5470 to 5825MHz (-30 to +85 °C)
VSWR1 (max)(in f2)	2 at 4900 to 5350MHz
VSWR2 (max)(in f2)	2.5 at 5470 to 5825MHz
Attenuation1 (min)(f2)	20 dB at 2400 to 2500MHz
Input Impedance	50 Ω
Output Impedance	50 Ω
Operating Temp. Range	-30 to +85 °C
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (173 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

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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.