



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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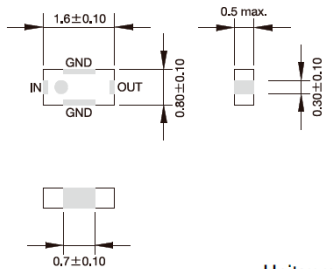
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Multilayer Ceramic Devices (Band Pass Type)

FI168B245001-T



Unit:mm

■ Features

- Item Summary
Band Pass Type, 1.6x0.8x0.5mm
for Bluetooth/W-LAN/ZigBee
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Papered 4000

■ Products characteristics table

System	Bluetooth/W-LAN/ZigBee
Passband Frequency1 (f1)	2400 to 2500 MHz
Insertion Loss2 (max)(in f1)	2.5 dB at 2400 to 2500MHz (-30 to +85 °C)
Ripple1 (max)(in f1)	1 dB at 2400 to 2500MHz
VSWR1 (max)(in f1)	2.1 at 2400 to 2500MHz
Attenuation1 (min)(f1)	25 dB at 880 to 960MHz
Attenuation2 (min)(f1)	25 dB at 1710 to 1910MHz
Attenuation3 (min)(f1)	20 dB at 4800 to 5000MHz
Attenuation4 (min)(f1)	20 dB at 7200 to 7500MHz
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	1.6 ± 0.10 mm
Dimension W	0.8 ± 0.10 mm
Dimension T	Max 0.5 mm

2017.04.30

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.