



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!



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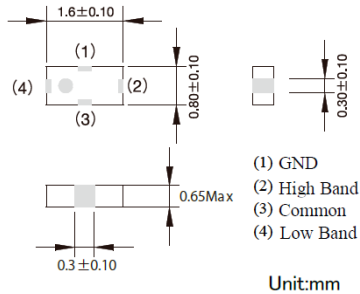
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Multilayer Ceramic Devices (Diplexers)

FI168P157519-T



■ Features

- Item Summary
Diplexer, 1.6x0.8x0.65mm
for W-CDMA/CDMA/GSM/ISM900/Bluetooth/W-LAN/GPS
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Papered 4000

■ Products characteristics table

System	W-CDMA/CDMA/GSM/ISM900 /Bluetooth/W-LAN/GPS
Frequency1	Low band
Passband Frequency1 (f1)	824 to 960/1558 to 1610 MHz
Insertion Loss2 (max)(in f1)	0.6 dB at 824 to 960MHz (-40 to +85 °C)
Insertion Loss4 (max)(in f1)	0.5 dB at 1558 to 1585MHz (-40 to +85 °C)
Insertion Loss6 (max)(in f1)	0.55 dB at 1585 to 1610MHz (-40 to +85 °C)
VSWR1 (max)(in f1)	2 at 824 to 960MHz
VSWR2 (max)(in f1)	2 at 1558 to 1610MHz
Attenuation1 (min)(f1)	13 dB at 2400 to 2500MHz
Frequency2	High band
Passband Frequency2 (f2)	2400 to 2500 MHz
Insertion Loss2 (max)(in f2)	0.7 dB at 2400 to 2500MHz (-40 to +85 °C)
VSWR1 (max)(in f2)	2 at 2400 to 2500MHz
Attenuation1 (min)(f2)	12 dB at 824 to 960MHz
Attenuation2 (min)(f2)	23 dB at 1558 to 1585MHz
Attenuation3 (min)(f2)	20 dB at 1585 to 1610MHz
Input Impedance	50 Ω
Output Impedance	50 Ω
Operating Temp. Range	-40 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 0.65 mm

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.

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