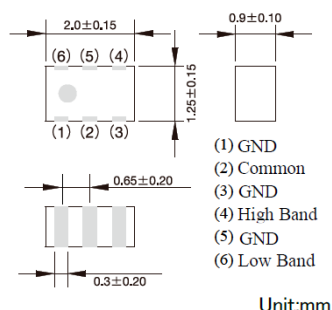


Multilayer Ceramic Devices (Diplexers)

FI212P085912-T



■ Features

- Item Summary
Diplexer, 2.0x1.25x0.9mm
for W-CDMA/CDMA/GSM/LTE/ISM900/GPS
- Lifecycle Stage
Mass Production (Preferred)
- Standard packaging quantity (minimum)
Taping Embossed 3000pcs

■ Products characteristics table

System	W-CDMA/CDMA/GSM/LTE /ISM900/GPS
Frequency1	Low band
Passband Frequency1 (f1)	698 to 960 MHz
Insertion Loss2 (max)(in f1)	0.75 dB at 698 to 960MHz (-30 to +85 °C)
VSWR1 (max)(in f1)	1.6 at 698 to 960MHz
Attenuation1 (min)(f1)	19 dB at 1558 to 1570MHz
Attenuation2 (min)(f1)	20 dB at 1570 to 1580MHz
Attenuation3 (min)(f1)	19 dB at 1580 to 1610MHz
Frequency2	High band
Passband Frequency2 (f2)	1558 to 1610 MHz
Insertion Loss2 (max)(in f2)	0.85 dB at 1558 to 1570MHz (-30 to +85 °C)
Insertion Loss4 (max)(in f2)	0.8 dB at 1570 to 1580MHz (-30 to +85 °C)
Insertion Loss6 (max)(in f2)	0.8 dB at 1580 to 1610MHz (-30 to +85 °C)
VSWR1 (max)(in f2)	1.6 at 1558 to 1610MHz
Attenuation1 (min)(f2)	35 dB at 698 to 824MHz
Attenuation2 (min)(f2)	42 dB at 824 to 894MHz
Attenuation3 (min)(f2)	25 dB at 894 to 960MHz
Input Impedance	50 Ω
Output Impedance	50 Ω
Operating Temp. Range	-30 to +85 °C
RoHS Compliance (10 subst.)	Yes
REACH Compliance (209 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 data at any time without notice.
 Before making final selection, please check product specification.

Please read this notice before using the TAIYO YUDEN products.



REMINDERS

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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).
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[>>Taiyo Yuden\(太阳诱电\)](#)