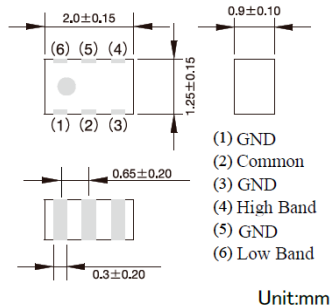


Multilayer Ceramic Devices (Diplexers)

FI212P082931-T



■ Features

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

■ Products characteristics table

System	W-CDMA/CDMA/GSM/LTE /ISM900
Frequency1	Low band
Passband Frequency1 (f1)	698 to 960 MHz
Insertion Loss2 (max)(in f1)	0.6 dB at 698 to 894MHz (-40 to +85 °C)
Insertion Loss4 (max)(in f1)	0.8 dB at 880 to 960MHz (-40 to +85 °C)
VSWR1 (max)(in f1)	2 at 698 to 894MHz
VSWR2 (max)(in f1)	2 at 880 to 960MHz
Attenuation1 (min)(f1)	13 dB at 1420 to 2690MHz
Frequency2	High band
Passband Frequency2 (f2)	1420 to 2690 MHz
Insertion Loss2 (max)(in f2)	0.8 dB at 1420 to 1520MHz (-40 to +85 °C)
Insertion Loss4 (max)(in f2)	0.6 dB at 1560 to 1610MHz (-40 to +85 °C)
Insertion Loss6 (max)(in f2)	0.6 dB at 1710 to 2170MHz (-40 to +85 °C)
Insertion Loss8 (max)(in f2)	0.6 dB at 2300 to 2690MHz (-40 to +85 °C)
VSWR1 (max)(in f2)	2 at 1420 to 2690MHz
Attenuation1 (min)(f2)	13 dB at 698 to 960MHz
Input Impedance	50 Ω
Output Impedance	50 Ω
Operating Temp. Range	-40 to +85 °C
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (181 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).
When our products are used even for high safety and/or reliability-required devices or circuits of general electronic equipment, it is strongly recommended to perform a thorough safety evaluation prior to use of our products and to install a protection circuit as necessary.
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