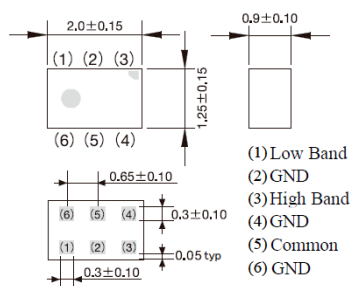


Multilayer Ceramic Devices

FI212P0829G2-T



Unit:mm

■ Features

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

■ 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) | 0.32 dB at 698 to 960MHz (-40 to +85 °C) |
| VSWR1 (max)(in f1) | 2 at 698 to 960MHz |
| Attenuation1 (min)(f1) | 13 dB at 1710 to 2690MHz |
| Frequency2 | High band |
| Passband Frequency2 (f2) | 1710 to 2690 MHz |
| Insertion Loss2 (max)(in f2) | 0.55 dB at 1710 to 2690MHz (-40 to +85 °C) |
| VSWR1 (max)(in f2) | 2 at 1710 to 2690MHz |
| Attenuation1 (min)(f2) | 19 dB at 698 to 960MHz |
| Input Impedance | 50 Ω |
| Output Impedance | 50 Ω |
| Operating Temp. Range | -40 to +85 °C |
| RoHS Compliance (10 subst.) | Yes |
| REACH Compliance (223 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

- Please conduct validation and verification of our products in actual condition of mounting and operating environment before using our products.
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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.
Please note that unless you obtain prior written consent of TAIYO YUDEN, TAIYO YUDEN shall not be in any way responsible for any damages incurred by you or third parties arising from use of the product listed in this spec sheet for any equipment requiring inquiry to TAIYO YUDEN or prohibited for use by TAIYO YUDEN as described above.
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