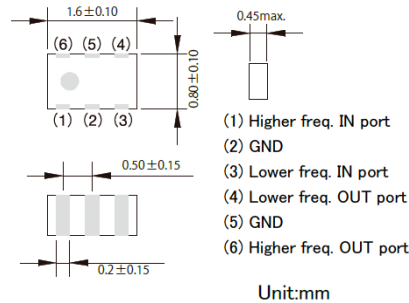


## Multilayer Ceramic Devices (Dual Type)

## FI168D087018-T



## ■ Features

- Item Summary  
Dual Type, 1.6x0.8x0.45mm  
for W-CDMA/CDMA/GSM/LTE
- Lifecycle Stage  
Mass Production (Preferred)
- Standard packaging quantity (minimum)  
Taping Paper 4000pcs

## ■ Products characteristics table

|                               |   |
|-------------------------------|---|
| System                        | W-CDMA/CDMA/GSM/LTE                             |
| Frequency1                    | Low band  |
| Passband Frequency1 (f1)      | 824 to 915 MHz                                  |
| Insertion Loss2 (max)(in f1)  | 0.6 dB at 824 to 915MHz (-30 to +85 °C)         |
| VSWR1 (max)(in f1)            | 1.5 at 824 to 915MHz                            |
| Attenuation1 (min)(f1)        | 25 dB at 1648 to 1830MHz                        |
| Attenuation2 (min)(f1)        | 25 dB at 2472 to 2745MHz                        |
| Frequency2                    | High band                                       |
| Passband Frequency2 (f2)      | 1710 to 1910 MHz                                |
| Insertion Loss2 (max)(in f2)  | 0.6 dB at 1710 to 1910MHz (-30 to +85 °C)       |
| VSWR1 (max)(in f2)            | 1.5 at 1710 to 1910MHz                          |
| Attenuation1 (min)(f2)        | 25 dB at 3420 to 3820MHz                        |
| Attenuation2 (min)(f2)        | 25 dB at 5130 to 5730MHz                        |
| Isolation1 (min)              | 27 dB at 824 to 915MHz (In to In/Out to Out )   |
| Isolation2 (min)              | 30 dB at 1710 to 1910MHz (In to In/Out to O ut) |
| Isolation3 (min)              | 30 dB at 824 to 915MHz (In to Out)              |
| Isolation4 (min)              | 30 dB at 1710 to 1910MHz (In to Out)            |
| 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 | 1.6 ± 0.10 mm |
| Dimension W | 0.8 ± 0.10 mm |
| Dimension T | Max 0.45 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 data at any time without notice.  
 Before making final selection, please check product specification.

2021.07.01

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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单击下面可查看定价，库存，交付和生命周期等信息

[>>Taiyo Yuden\(太阳诱电\)](#)