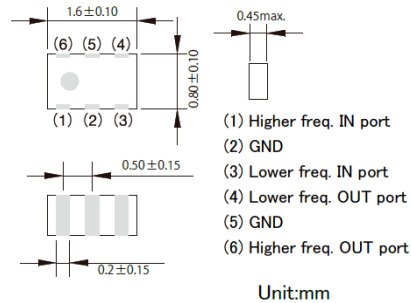


Multilayer Ceramic Devices (Dual Type)

FI168D087018-T



■ Features

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

■ 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
RoHS2 Compliance (10 subst.)	Yes
REACH Compliance (181 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.

2018.03.07

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.
- The product listed in this spec sheet is intended for use in general electronic equipment (e.g., AV equipment, OA equipment, home electric appliances, office equipment, information and communication equipment including, without limitation, mobile phone, and PC). Please be sure to contact TAIYO YUDEN for further information before using the products for any equipment which may directly cause loss of human life or bodily injury (e.g., transportation equipment including, without limitation, automotive powertrain control system, train control system, and ship control system, traffic signal equipment, disaster prevention equipment, medical equipment classified as Class I, II or III by IMDRF, highly public information network equipment including, without limitation, telephone exchange, and base station).
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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