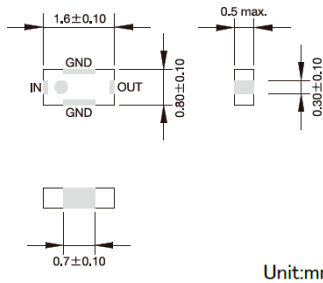


Multilayer Ceramic Devices (Low Pass Type)

FI168L062005-T



■ Features

- Item Summary
Low Pass Type, 1.6x0.8x0.5mm
for DTV
- Lifecycle Stage
Mass Production
- Standard packaging quantity (minimum)
Taping Papered 4000

■ Products characteristics table

System	DTV
Passband Frequency ¹ (f ₁)	470 to 770 MHz
Insertion Loss ² (max)(in f ₁)	1.3 dB at 470 to 600MHz (-30 to +85 °C)
Insertion Loss ⁴ (max)(in f ₁)	2.4 dB at 600 to 710MHz (-30 to +85 °C)
Insertion Loss ⁶ (max)(in f ₁)	4.4 dB at 710 to 770MHz (-30 to +85 °C)
Ripple ¹ (max)(in f ₁)	1.4 dB at 470 to 710MHz
VSWR ¹ (max)(in f ₁)	2 at 470 to 710MHz
VSWR ² (max)(in f ₁)	2.5 at 710 to 770MHz
Attenuation ¹ (min)(f ₁)	25 dB at 888 to 925MHz (+25 °C)
Attenuation ² (min)(f ₁)	21 dB at 888 to 925MHz (-30 to +85 °C)
Attenuation ³ (min)(f ₁)	25 dB at 940 to 960MHz
Attenuation ⁴ (min)(f ₁)	27 dB at 1429 to 1453MHz
Attenuation ⁵ (min)(f ₁)	26 dB at 1920 to 1980MHz
Attenuation ⁶ (min)(f ₁)	26 dB at 2400 to 2500MHz
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 0.5 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.
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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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