

## DBF71A001

2.4GHz Wireless LAN & Bluetooth

Inquiry

### Application

for 2.4GHz Wireless LAN & Bluetooth

### Characteristics

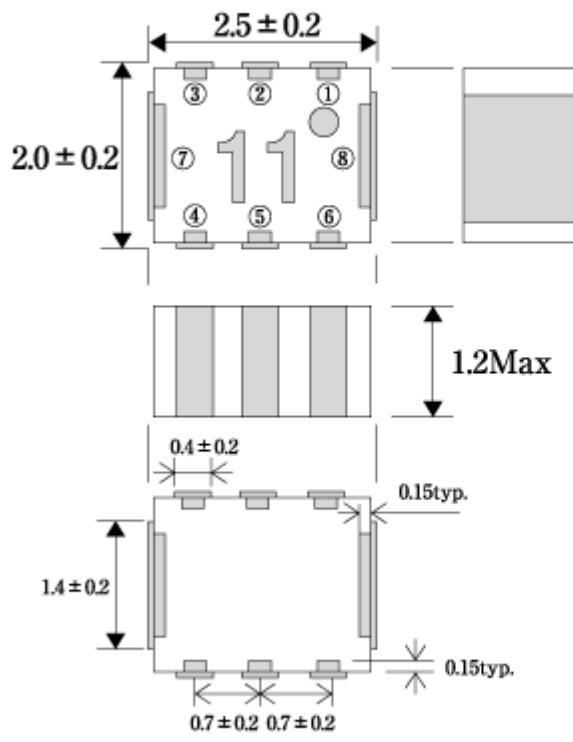
<b>DBF71A001</b>	
Unbalance impedance	50 ohm Nominal
Balance impedance	100 ohm Nominal
Center frequency	2450MHz
Pass band	2400-2500MHz
Insertion loss	2.0 dB max (2400-2500MHz at 25 Deg.C)
	2.3 dB max (2400-2500MHz at -40 up to +85 Deg.C)
Ripple	1.0 dB max (2400-2500MHz)
Unbalance port V.S.W.R	2.0 max (2400-2500MHz)
Attenuation	35 dB min (880-960MHz)
	30 dB min (1710-1910MHz)
	30 dB min (4800-5000MHz)
	30 dB min (7200-7500MHz) Reference
Amplitude balance	1.0 dB max (2400-2500MHz)
Phase differential	175-185 Deg.C (2400-2500MHz at 25Deg.C)
	172.5-187.5 Deg.C (2400-2500MHz at -40 up to +85 Deg.C)

### Number of ordered pieces

2000pcs/Reel

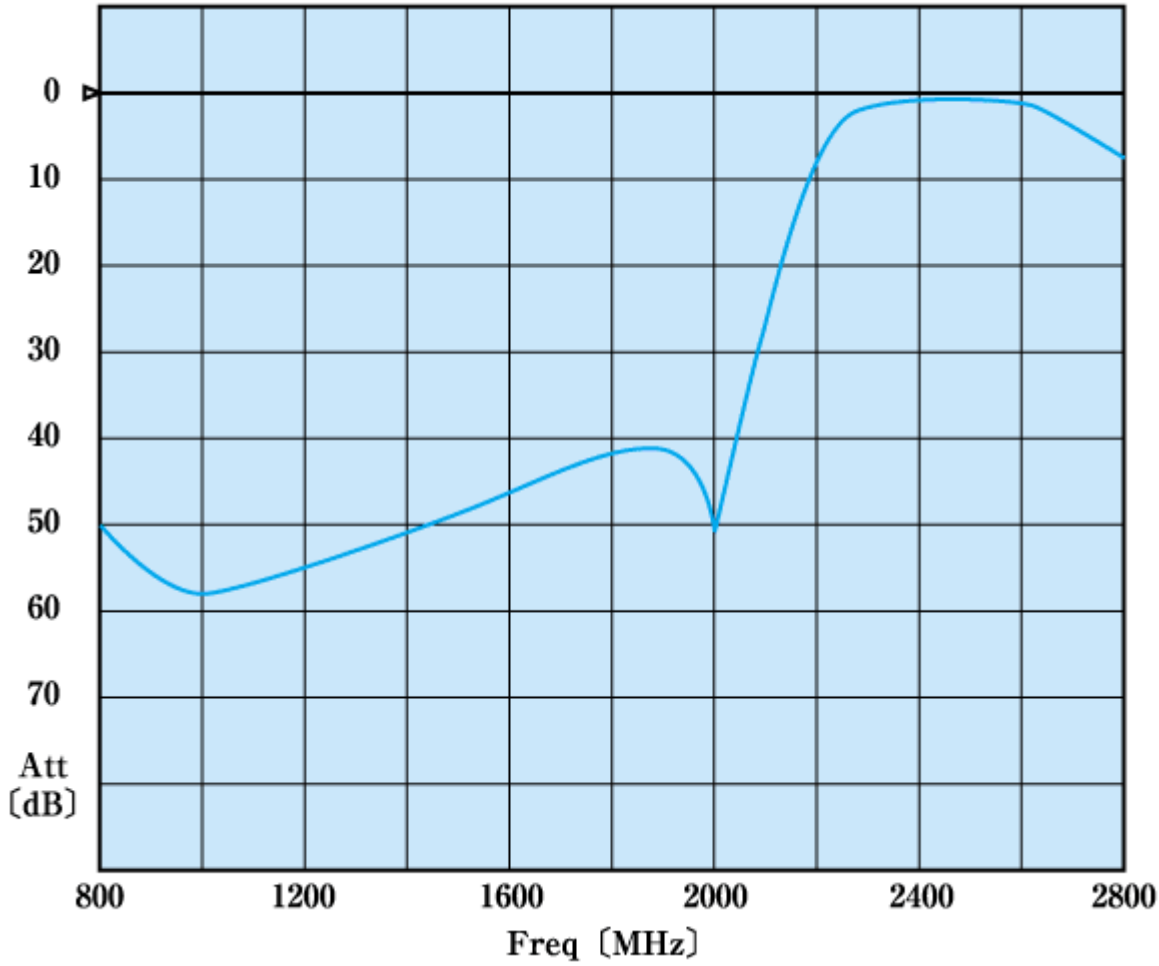
### Dimensions

Dimensions (Unit : mm)

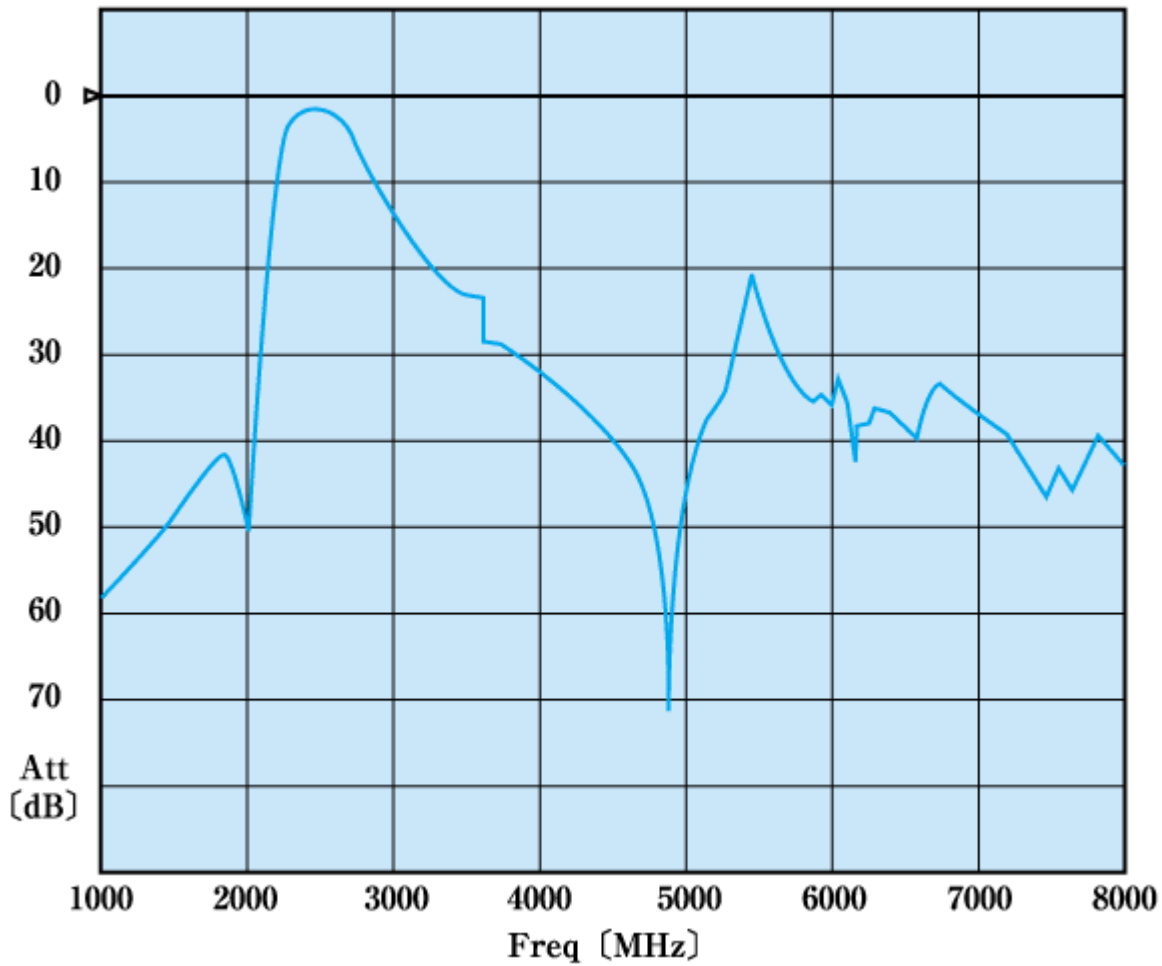


Terminal	
①	NC
②	Unbalance
③	DC
④	Balance
⑤	NC
⑥	Balance
⑦	GND
⑧	GND

Frequency Data1

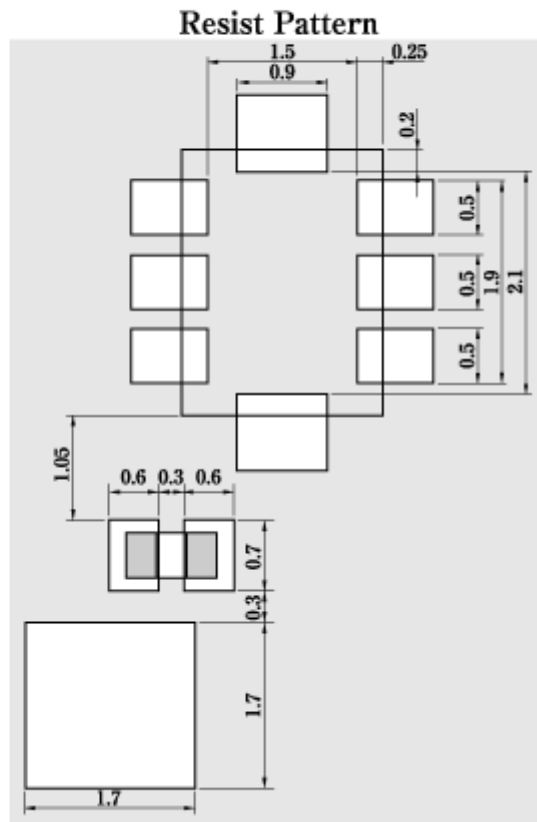
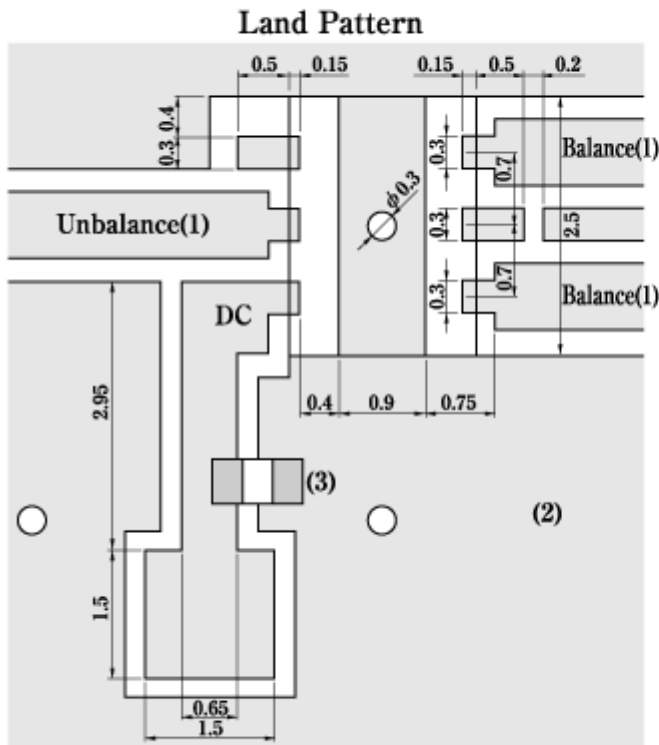


Frequency Data2



**Recommended Patterns**

**Balance Filter For Bluetooth & Wireless LAN  
TYPE No. : DBF71A001 (With DC Terminal)  
Recommended Pattern (Unit : mm)**



- (1) 50 ohm Impedance Line
- (2) Ground Plane
- (3) Decoupling Capacitor = 100pF

