LLPF2025-1608

Multilayer Low Pass Filter

Features

- Multilayer monolithic construction yields high reliability
- Low insertion loss and small size SMD chip design
- Can simplify your complex tuning and circuit design
- LTCC process

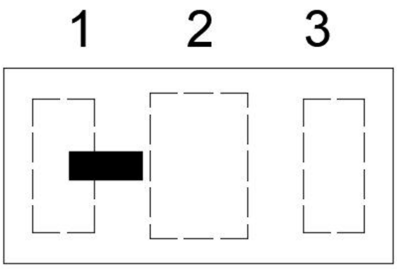
Specifications

NO.	Parameter	Frequency	SPC		
			MIN	Typ	Max.
1	Insertion Loss (dB)	1880 ~ 2025 MHz	/	0.8	1.2
2	Attenuation (dB)	2400~2500 MHz	25	31	/
		4020~4045 MHz	25	30	/
		6030~6075 MHz	25	30	/
3	VSWR	1880 ~ 2025 MHz	/	1.2	1.6
4	In/Output Impedance (Ω)	50			

Operating & Storage Condition (Component)
Operation Temperature Range: -40℃ ~ +85℃
Storage Temperature Range: -40℃~ +85℃

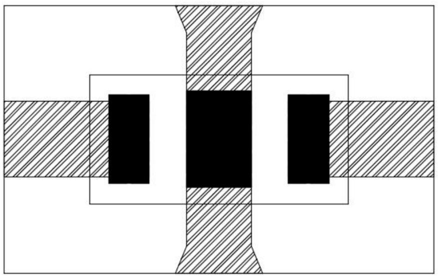
Storage Condition before Soldering (Included packaging material)
Storage Temperature Range: +5 ~ +40 ℃
Humidity: 30 to 70% relative humidity

Construction

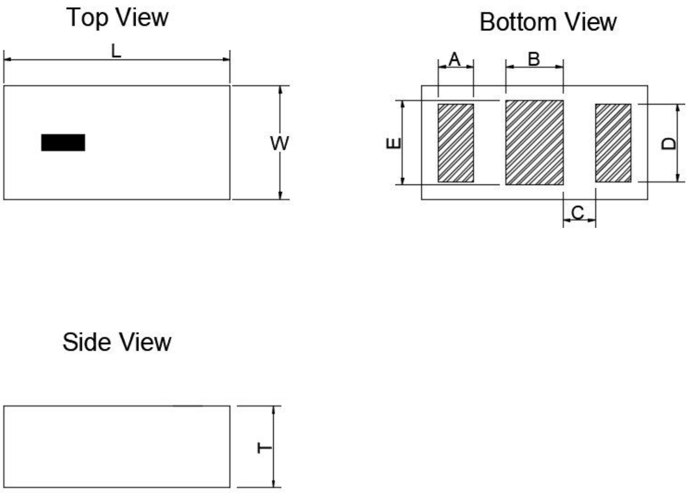


PIN	Connection
1	Input Port
2	GND
3	Output Port

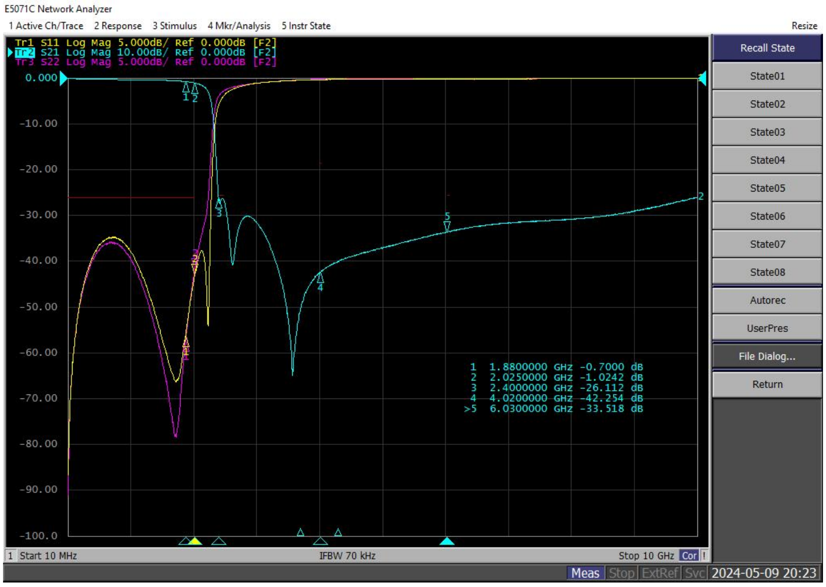
Mounting Considerations



Dimensions

Figure	Symbol	Dimension (mm)
	L	1.6±0.15
	W	0.8±0.15
	T	0.7 MAX
	A	0.25±0.10
	B	0.40±0.10
	C	0.23±0.05
	D	0.55±0.10
	E	0.60±0.10

Typical Electrical Characteristics (T=25°C)



```
Tr1 S11 Log Mag 5.000dB/ Ref 0.000dB [F2]
Tr2 S21 Log Mag 10.00dB/ Ref 0.000dB [F2]
Tr3 S22 Log Mag 5.000dB/ Ref 0.000dB [F2]
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```
 1  1.8800000 GHz -0.7000 dB
 2  2.0250000 GHz -1.0242 dB
 3  2.4000000 GHz -26.112 dB
 4  4.0200000 GHz -42.254 dB
>5  6.0300000 GHz -33.518 dB
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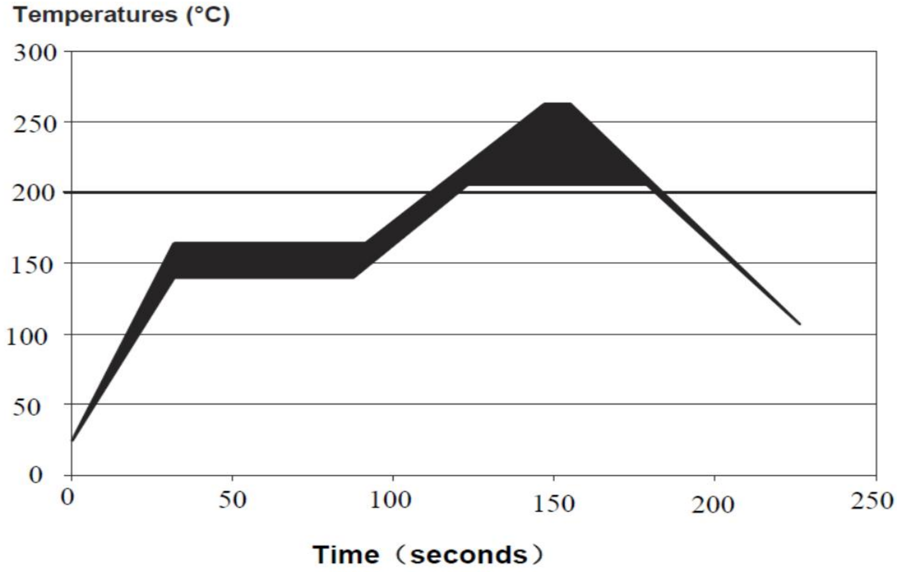
```
1 Start 10 MHz          IFBW 70 kHz          Stop 10 GHz
2024-05-09 20:23
```

Solder Reflow Standard Conditioning



Storage Conditions

Temperature : +5 to +30 ℃

Humidity : 20 to 70% RH

Term of storage : Within 12 months (After the delivery) *

Baking : Unnecessary

*** After peeling off cover tape, do not keep exposing the products to the open air. For the products stored longer than 12 months, confirm their terminals and solderability before use.**