

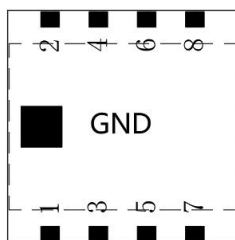
Features

- 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

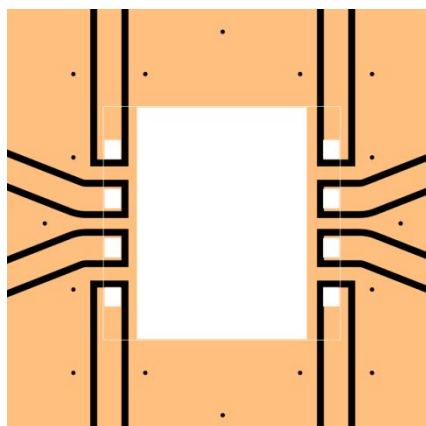
NO.	Specification					
		LPF1	LPF2	LPF3	LPF4	
1	Frequency range (MHz)		30~46	46~72	72~115	115~180
2	Insertion Loss (dB) @25℃		1.5	1.5	1.5	1.8
3	Ripple (dB)		1.0	1.0	1.0	1.0
4	VSWR (In BW)		2.0	2.0	2.0	2.0
5	Impedance (Ω)		50	50	50	50
6	Attenuation (dB)	2-d Harm Rej	50	50	50	50
		3-d Harm Rej	50	50	50	50
		2100~2190 MHz	60	60	60	60
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	PIN	Connection
1	LPF1 input Port	2	LPF1 output Port
3	LPF2 input Port	4	LPF2 output Port
5	LPF3 input Port	6	LPF3 output Port
7	LPF4 input Port	8	LPF4 output Port

Mounting Considerations



Unit: mm
Line width to be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness

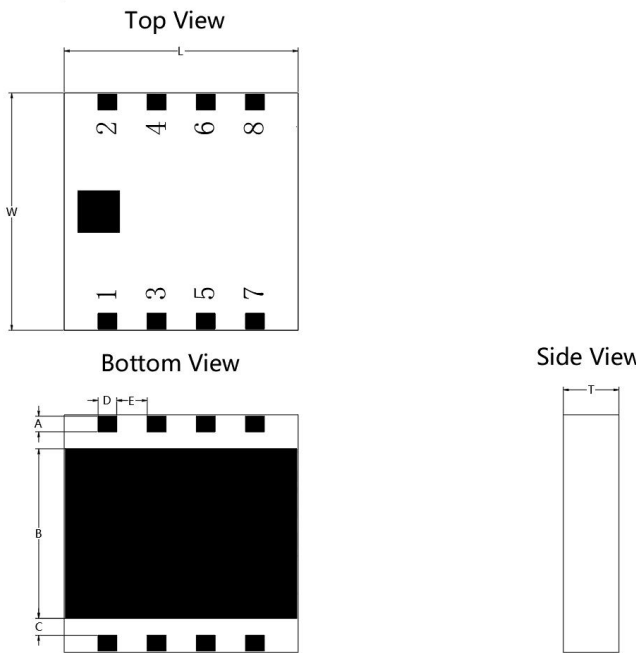
Yantel Corporation

Add: No.308-322,3F,Building 1,Juchuang Jingu Innovation Park,Wenyuan Road 35,Xili Street,Nanshan,Shenzhen,China

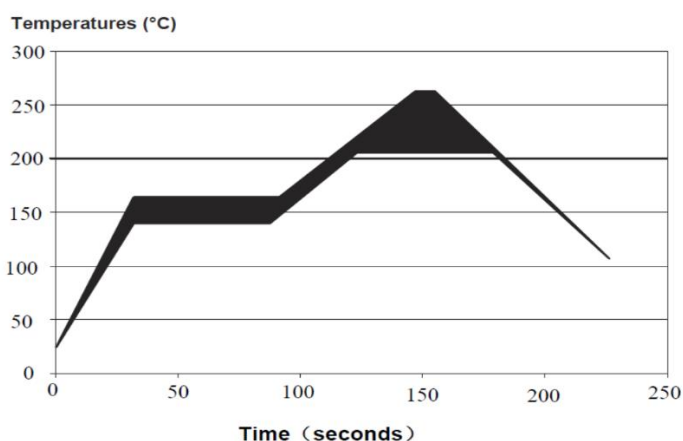
Tel: 86-755-8355-1886 Fax: 86-755-8355-2533

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Dimensions

Figure	Symbol	Dimension (mm)
	L	13.80 ± 0.30
	W	14.00 ± 0.30
	T	2.80 ± 0.20
	A	0.92 ± 0.10
	B	10.00 ± 0.10
	C	1.00 ± 0.10
	D	1.10 ± 0.10
	E	1.80 ± 0.10

Solder Reflow Standard Conditioning



Storage Conditions

Temperature : +5 to +30 °C

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.

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