

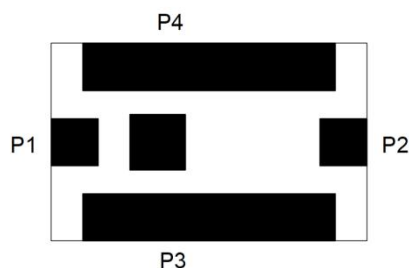
Features

- 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

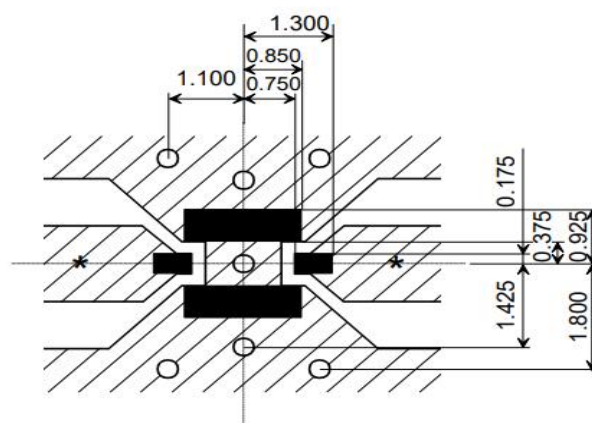
NO.	Parameter	Frequency (MHz)	SPC		
			Min.	Typ.	Max.
1	Insertion Loss (dB) 25°C	4900-5950		1.6	2.0
2	Insertion Loss (dB)-40 to +85°C	4900-5950		1.9	2.3
3	Return Loss(dB)	4900-5950	9	11	-
4	Attenuation (dB)	1280-3300	40	50	-
		3300-4000	25	33	-
		4375-4465	7	12	-
		7300-8930	14	18	-
		9800~11900	25	38	-
5	In/Output Impedance (Ω)			50	
Operating & Storage Condition (Component) Operation Temperature Range: -40°C ~ +85°C Storage Temperature Range: -40°C~ +85°C					
Storage Condition before Soldering (Included packaging material) Storage Temperature Range: +5 ~ +40 °C Humidity: 30 to 70% relative humidity					

Construction



PIN	Connection
P1	Input port
P3	GND
P2	Output port
P4	GND

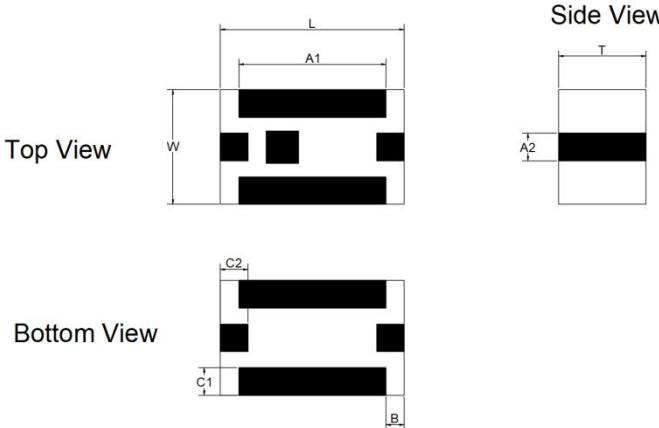
Mounting Considerations



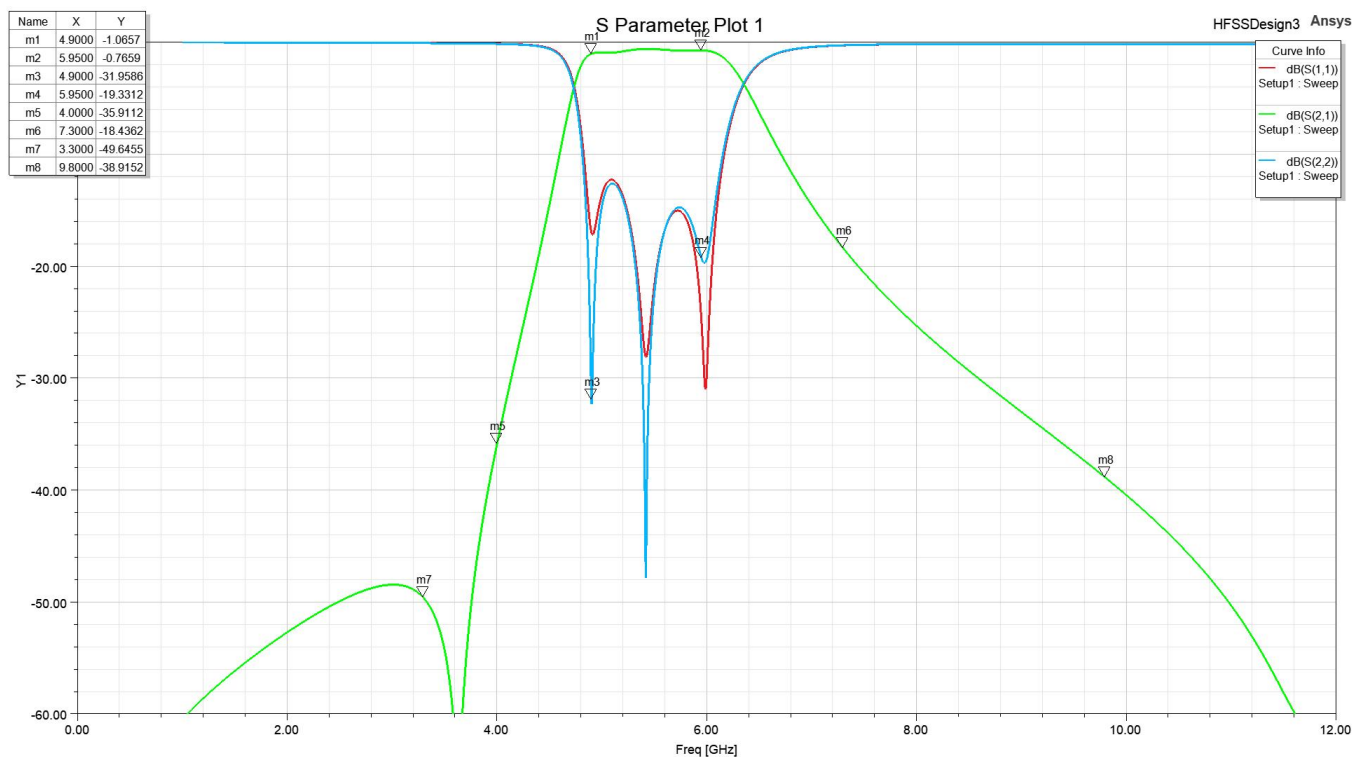
Unit: mm

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

Dimensions

Figure	Symbol	Dimension (mm)
 Top View Side View Bottom View	L	2.0 ± 0.10
	W	1.25 ± 0.10
	T	0.95 ± 0.10
	A1	1.6 ± 0.10
	A2	0.3 ± 0.10
	B	0.25 ± 0.10
	C1	0.2 ± 0.10
	C2	0.2 ± 0.10

Typical Electrical Characteristics (T=25°C)



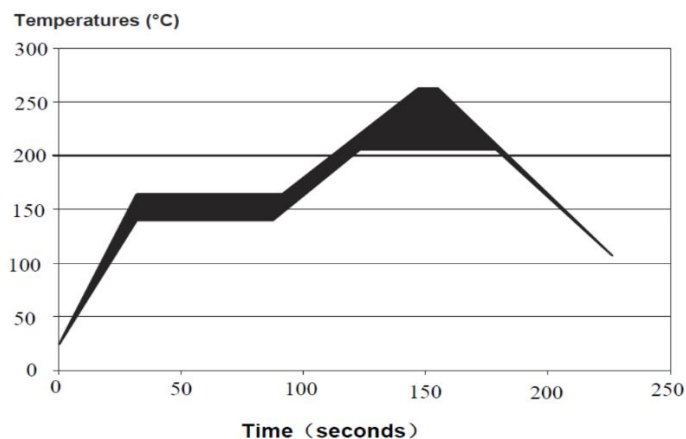
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For detailed performance specs & shopping online see Yantel web site : www.yantel-corp.com

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.