

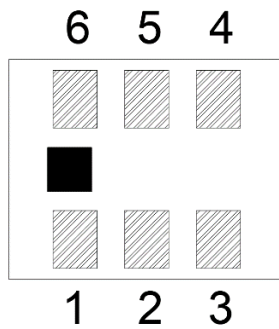
Features

- 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

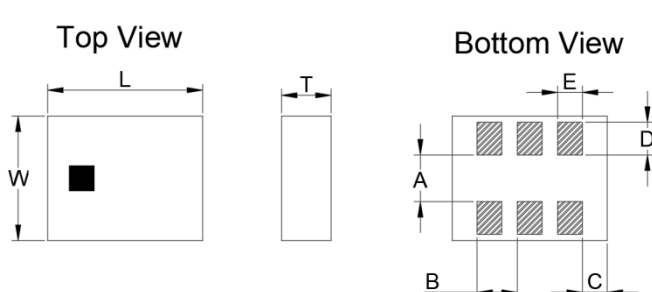
NO.	Parameter		SPEC	
			25°C	-40~+85°C
1	Low_Band Insertion Loss (dB)	450~960 MHz	0.45 dB	0.50 dB
		960~1427 MHz	0.45 dB	0.50 dB
		1427~1710 MHz	0.45 dB	0.50 dB
		1710~1990 MHz	0.70 dB	0.80 dB
		1990~2025 MHz	0.75 dB	0.85 dB
		2025~2110 MHz	1.40 dB	1.55 dB
		2110~2170 MHz	1.90 dB	2.30 dB
		2170~2200 MHz	2.80 dB	4.20 dB
	High_Band Insertion Loss (dB)	2300~2350 MHz	1.90 dB	2.40 dB
		2350~2400 MHz	0.95 dB	1.10 dB
		2400~2500 MHz	0.80 dB	0.90 dB
		2500~2690 MHz	0.65 dB	0.75 dB
2	Low_Band Return Loss (dB)	450~2200	10 dB	-
	High_Band Insertion Loss (dB)	2300~2690	10 dB	-
3	Low_Band Attenuation (dB)	2300~2350 MHz	10 dB	-
		2350~2690 MHz	10 dB	-
		3300~4200 MHz	18 dB	-
		4400~5000 MHz	20 dB	-
		5150~5925 MHz	20 dB	-
	High_Band Attenuation (dB)	450~960 MHz	16 dB	-
		1427~1710 MHz	20 dB	-
		1710~2200 MHz	10 dB	-
4	Isolation	450~960 MHz	15 dB	-
		1427~1710 MHz	19 dB	-
		1710~2200 MHz	10 dB	-
		2300~2690 MHz	10 dB	-
5	Port Impedance	50Ω		

Construction

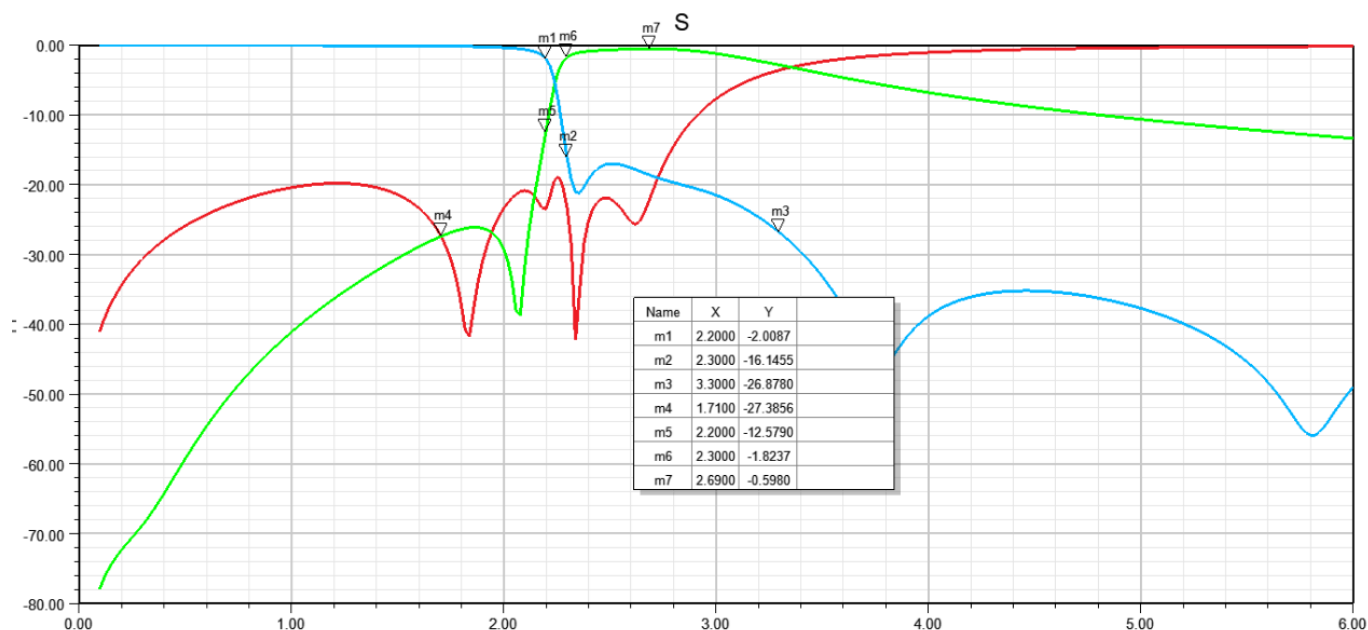


PIN	Connection	PIN	Connection
P1	GND	P4	Higher Port
P2	Common Port	P5	GND
P3	GND	P6	Low Port

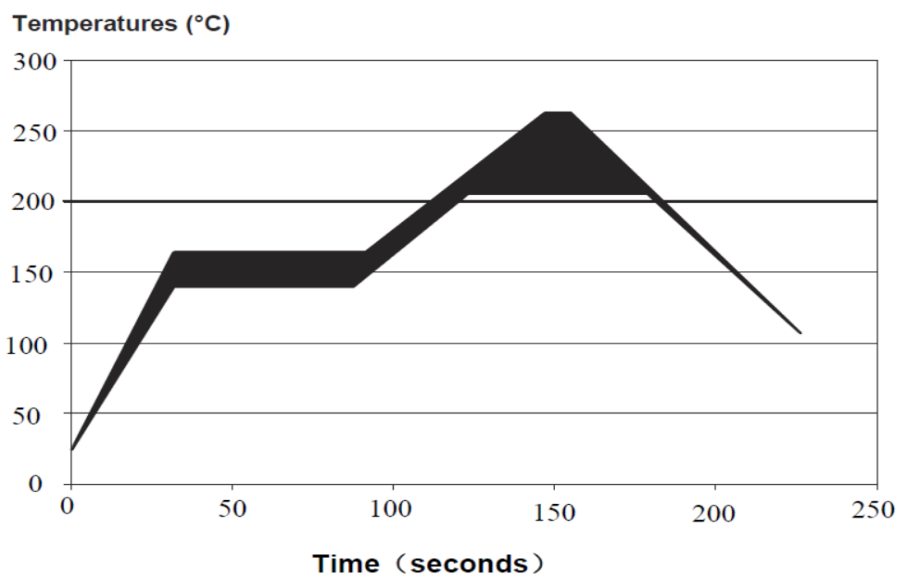
Dimensions

Figure	Symbol	Dimension (mm)
	L	2.50 ± 0.10
	W	2.00 ± 0.10
	T	0.80MAX
	A	0.75 ± 0.10
	B	0.65 ± 0.15
	C	0.40 ± 0.10
	D	0.53 ± 0.10
	E	0.40 ± 0.05

Typical Electrical Characteristics (T=25°C)



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.

Yantel Corporation

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