

"High Frequency Ceramic Solutions"

2.45 GHz Band Pass Filter

P/N 2450BP18C100C

Detail Specification: 10/21/10

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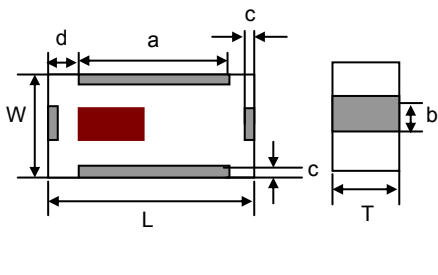
General Specifications

Part Number	2450BP18C100C	
Frequency (MHz)	2400 - 2500	
Insertion Loss	2.5 dB max.	
Return Loss	9.5 dB min.	
Ripple	0.7 dB min.	
Attenuation (min.)	900 ~ 928 MHz	40 dB
Attenuation (min.)	1200 ~ 1800 MHz	30 dB
Attenuation (min.)	2100 MHz	25 dB
Attenuation (min.)	4800 ~ 5000 MHz	35 dB
Attenuation (min.)	7200 ~ 7500 MHz	40 dB

Input Power	500 mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity: 45-75%RH, 12 mos. Max*
Reel Quantity	3,000

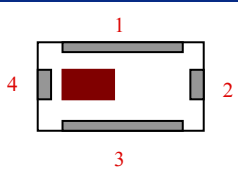
Mechanical Dimensions

	In	mm
L	0.126 ± 0.006	3.20 ± 0.15
W	0.063 ± 0.006	1.60 ± 0.15
T	0.037 ± 0.004	0.95 ± 0.10
a	0.075 ± 0.006	1.90 ± 0.15
b	0.020 ± 0.006	0.50 ± 0.15
c	0.012 ± 0.008	0.30 ± 0.20
g	0.026 ± 0.008	0.65 ± 0.20



Terminal Configuration

No.	Function
1	GND
2	I/O
3	GND
4	I/O

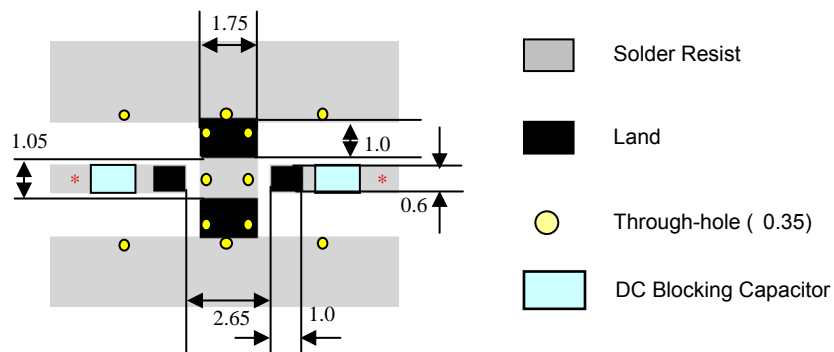


Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50 Ω impedance matching characteristics.

Units: mm



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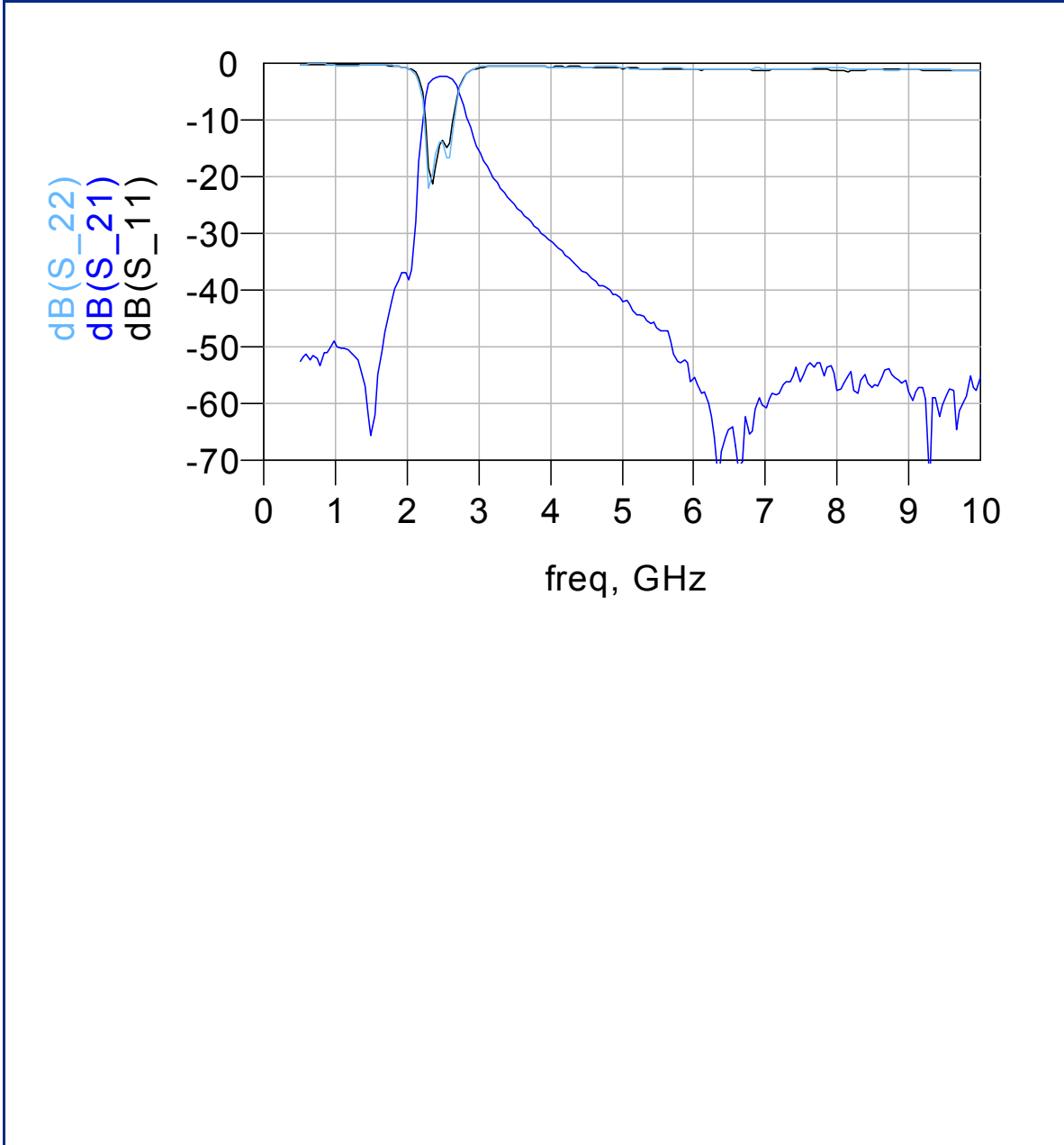
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Typical Electrical Performance (T=25°C)



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