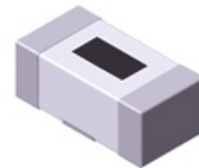


# SMD 2.45GHz Dielectric Band Pass Filter

ADFC15-2450.00-A-T



**RoHS**  
Compliant



1.0 x 0.5 x 0.38mm

## FEATURES:

- Small and low profile enables high density mounting
- Low insertion loss & attenuation
- Internally shielded for enhanced performance
- Excellent solderability

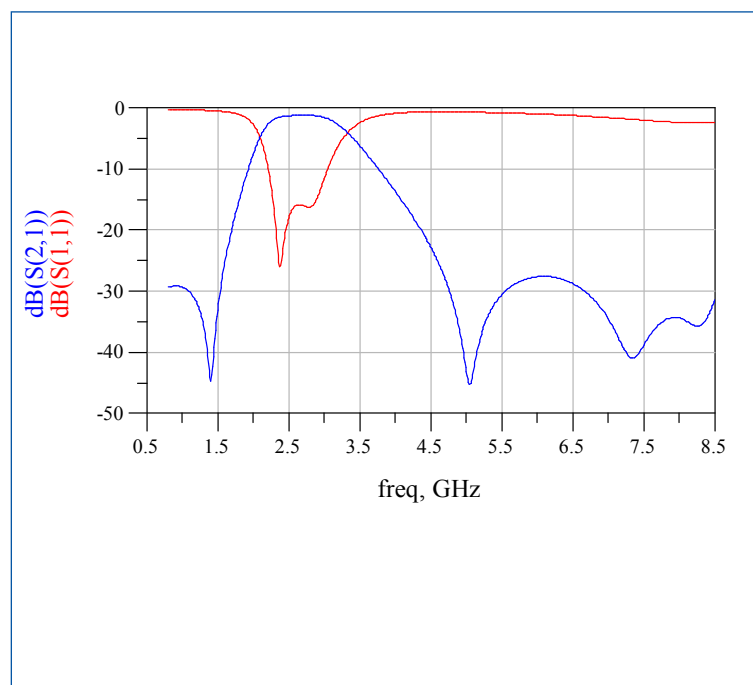
## APPLICATIONS:

- Mobile communication system
- Bluetooth, Wireless LAN, WIFI, GPS, etc.

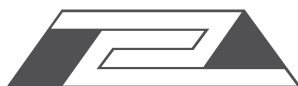
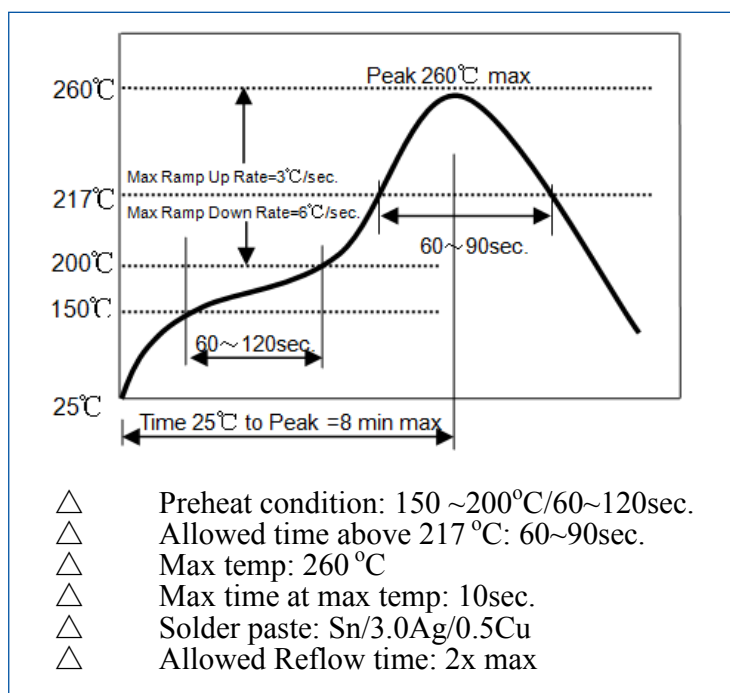
## STANDARD SPECIFICATIONS:

Parameters	Minimum	Typical	Maximum	Units	Notes
Center Frequency ( $f_0$ )		2450.00		MHz	
Passband width	2400.00		2500.00	MHz	
Insertion Loss (2400 ~ 2500MHz)			1.4	dB	@+25°C
			1.7	dB	@ -40 ~ +85°C
Amplitude Ripple (2400 ~ 2500MHz)			0.5	dB	
V.S.W.R (2400 ~ 2500MHz)			1.5		
Relative Attenuation (Reference level: 0dB)	25			dB	800 ~ 960MHz
	8				1710 ~ 1970MHz
	23				4800 ~ 5000MHz
	32				7200 ~ 7500MHz
Characteristic Impedance		50		$\Omega$	
Operation Temperature Range	-40		+85	°C	
Storage Temperature Range	-10		+40	°C	RH 70% Max

## CHARACTERISTIC CURVE:



## REFLOW PROFILE:

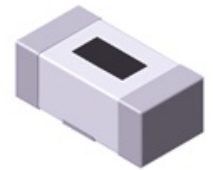


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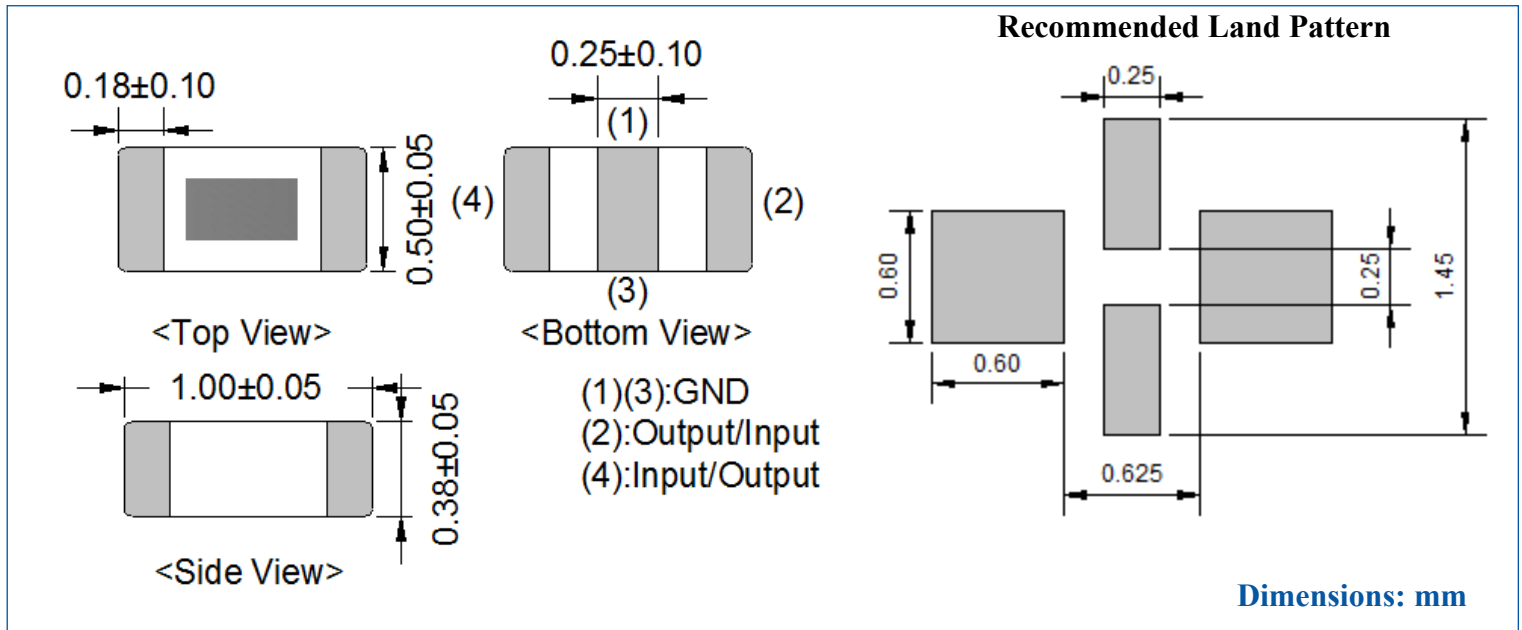


RoHS  
Compliant



1.0 x 0.5 x 0.38mm

## OUTLINE DRAWING:

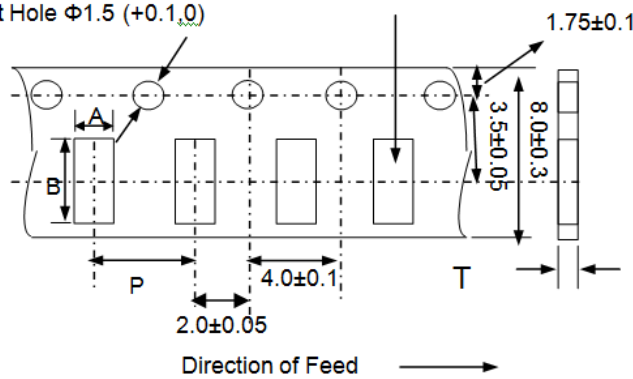


## TAPE & REEL:

Packaging: 10,000pcs/reel

Chip Cavity

Sprocket Hole  $\Phi 1.5 (+0.1,0)$



A	B	P	T max
$0.62 \pm 0.03$	$1.12 \pm 0.03$	$2.00 \pm 0.05$	0.45

Dimensions: mm

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ABRACON IS  
ISO 9001:2008  
CERTIFIED



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