

SMD 959.5MHz SAW FILTER

AFS959.5W01-TS3



RoHS
Compliant



3.8 x 3.8 x 1.5mm

FEATURES:

- Low loss
- 3.8 x 3.8 x 1.5mm package
- Suitable for ROHS reflow profile

APPLICATIONS:

- RF filter for telecommunications
- Wireless audio
- ISM-band application

STANDARD SPECIFICATIONS:

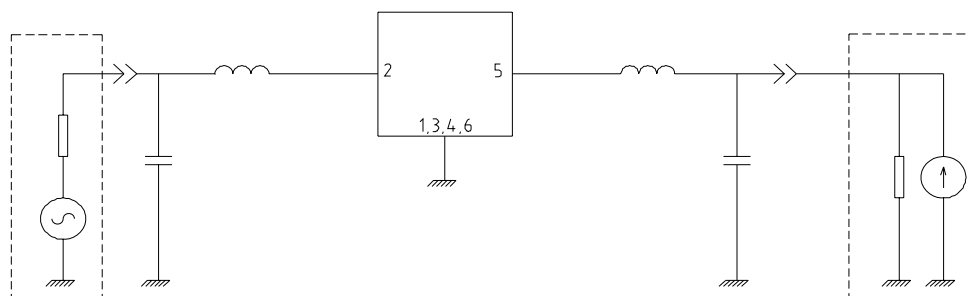
MAXIMUM RATINGS

Item	Value
Operation Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +85°C
DC Permissive Voltage	10V DC max.
Maximum Input Power	0 dBm

ELECTRICAL CHARACTERISTICS

Item	Unit	Min.	Typ.	Max.
Center Frequency (fc)	MHz		959.5	
3dB Passband Width	MHz		fc ±3.0	
Insertion Loss (Passband)	dB			4.5
Ripple Deviation (Passband)	dB			1.5
Stopband Suppression				
DC ~ 879.5 MHz	dB	55		
879.5 ~ 914.5 MHz	dB	45		
1001.1 ~ 1019.5 MHz	dB	40		
1019.5 ~ 1500 MHz	dB	55		
Terminating Impedance	Ω		50 + j60.3	

TEST CIRCUIT



Surface Mount 959.5MHz SAW FILTER

AFS959.5W01-TS3

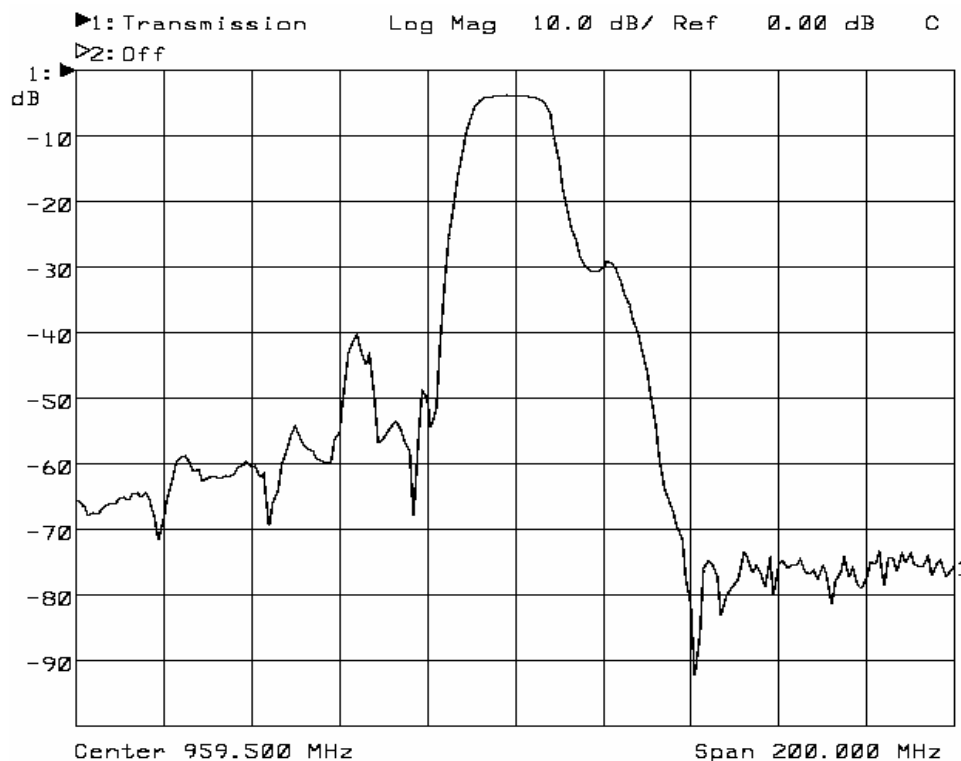


RoHS
Compliant



3.8 x 3.8 x 1.5mm

FREQUENCY CHARACTERISTICS



Surface Mount 959.5MHz SAW FILTER

AFS959.5W01-TS3

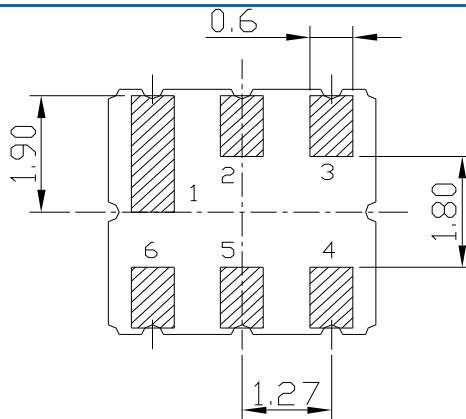
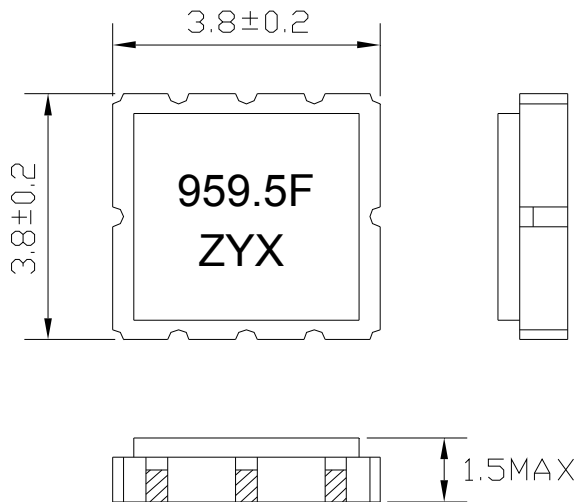


3.8 x 3.8 x 1.5mm



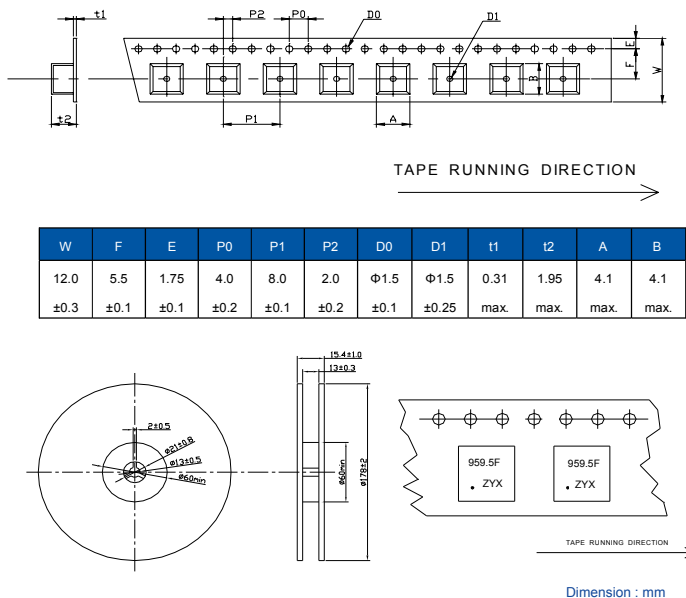
RoHS
Compliant

OUTLINE DIMENSIONS:



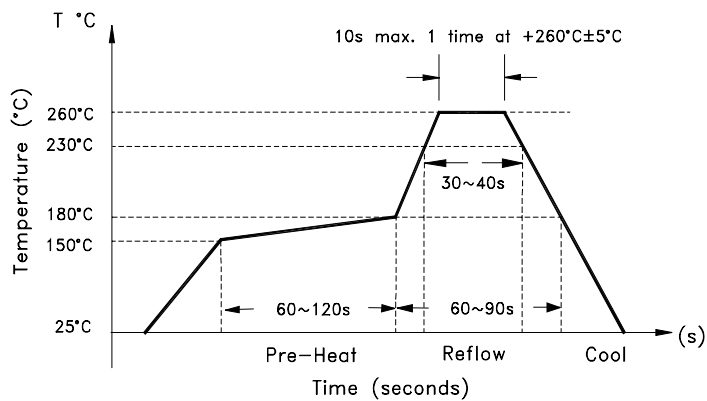
Pin#	Function
2	Input
5	Output
Others	Ground

Dimension : mm

TAPE & REEL:

Dimensions: mm

REFLOW PROFILE:



ATTENTION: Abracon Corporation's products are COTS – Commercial-Off-The-Shelf products; suitable for Commercial, Industrial and, where designated, Automotive Applications. Abracon's products are not specifically designed for Military, Aviation, Aerospace, Life-dependant Medical applications or any application requiring high reliability where component failure could result in loss of life and/or property. For applications requiring high reliability and/or presenting an extreme operating environment, written consent and authorization from Abracon Corporation is required. Please contact Abracon Corporation for more information.



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ABRACON:](#)

[AFS959.5W01-TS3](#)