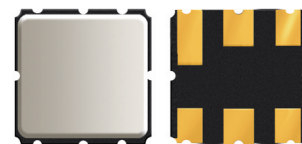


462.5MHz SMD SAW FILTER

AFS463.0W06-TS3



RoHS
Compliant



3.8 x 3.8 x 1.5mm

FEATURES:

- 3.8 x 3.8 x 1.5mm SMD package
- Low pass band insertion loss
- Input/output 50ohm terminated
- High input power

APPLICATIONS:

- RX filter for CDMA450
- RF SAW filter for Telecommunication
- PDA

STANDARD SPECIFICATIONS:

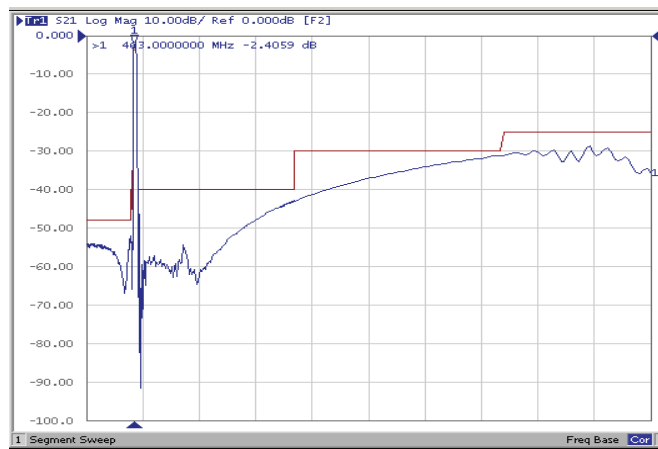
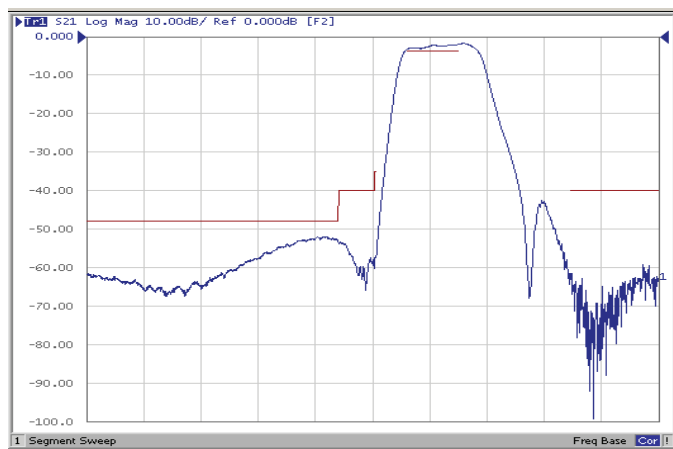
MAXIMUM RATINGS

Item	Value
Operation Temperature Range	-30°C to +80°C
Storage Temperature Range	-40°C to +85°C
DC Permissive Voltage	10V DC max.
Maximum Input Power	27 dBm

ELECTRICAL CHARACTERISTICS

Item	Frequency (MHz)	Specification
Center Frequency (fo)	462.5	
Insertion Loss	460.0 ~ 465.0	3.8 dB max.
VSWR	460.0 ~ 465.0	2.0 : 1 max.
Relative Loss	0.3 ~ 450.0	48 dB min
	450.0 ~ 454.6	40 dB min
	454.6 ~ 455.0	33 dB min
	480.0 ~ 1000	40 dB min
	1000 ~ 1400	30 dB min
	1400 ~ 2000	22 dB min
Temperature Coefficient of Frequency		-30ppm/°C
Terminating Source Impedance		50Ω
Terminating Load Impedance		50Ω

FREQUENCY CHARACTERISTICS:

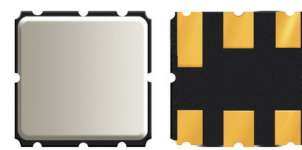


462.5MHz SMD SAW FILTER

AFS463.0W06-TS3

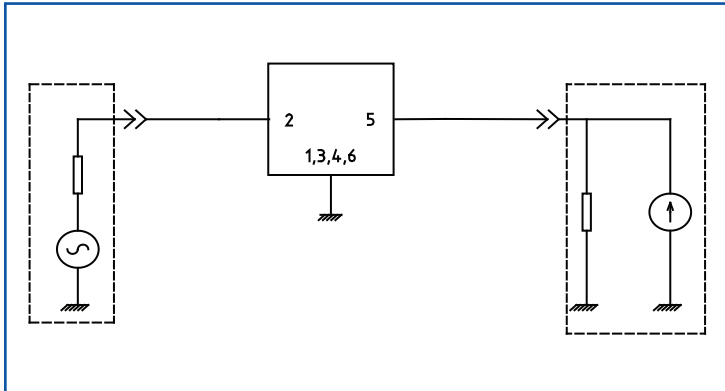


RoHS
Compliant

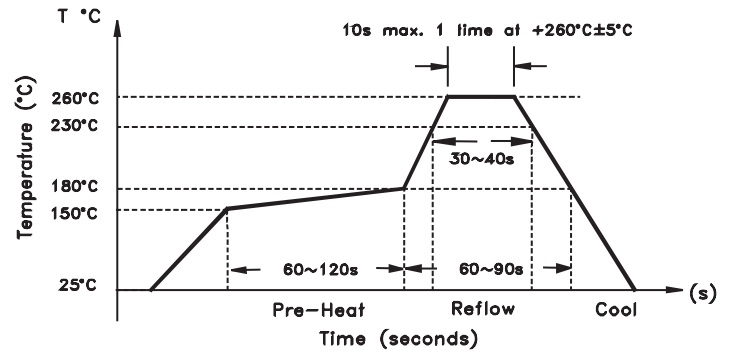


3.8 x 3.8 x 1.5mm

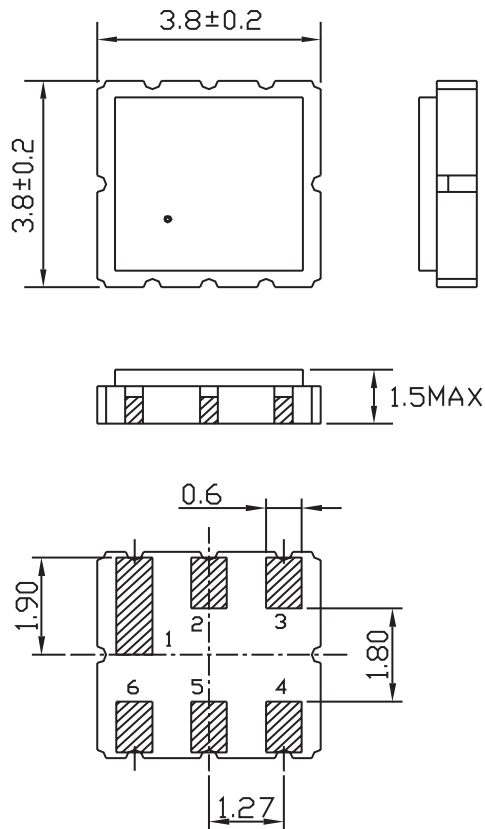
TEST CIRCUIT:



REFLOW PROFILE:



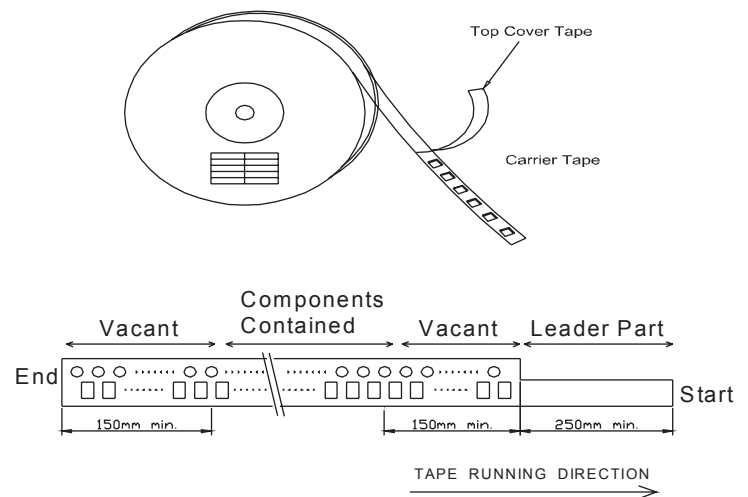
OUTLINE DIMENSIONS:



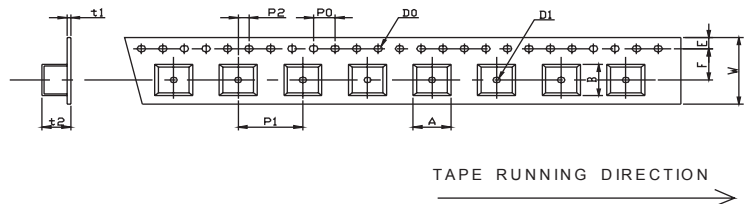
Dimension : mm

Pin No.	Function
Pin 2	Input
Pin 5	Output
Other	Ground

TAPE & REEL: Tape and reel (1,000pcs/reel)



TAPE & REEL DIMENSION AND PARTS DIRECTION



Dimension : mm

W	F	E	P0	P1	P2	D0	D1	t1	t2	A	B
12.0	5.5	1.75	4.0	8.0	2.0	Φ1.5	Φ1.5	0.31	1.95	4.1	4.1
±0.3	±0.1	±0.1	±0.2	±0.1	±0.2	±0.1	±0.25	max.	max.	max.	max.

NOTE: Abracon manufactured products are intended for general commercial and industrial use. For applications requiring high reliability and/or presenting extreme operating environment, written consent & authorization from Abracon is required.