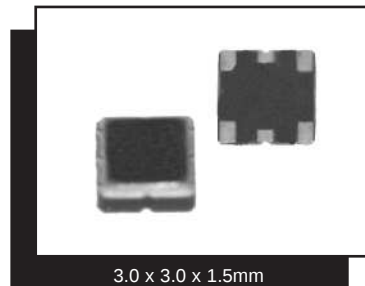


CERAMIC SURFACE-MOUNT SAW FILTER AFS915D



FEATURES:

- SAW Filter 915.000 MHz.typ.
- Low Loss, Compact.
- SMD makes reflow soldering possible.
- Gold plated terminals.

COMMON APPLICATIONS:

- Wireless car alarm, Garage door opener. (RKE)
- Mobile communications systems

ABSOLUTE MAXIMUM RATINGS:

DC voltage	+10Vdc
Operating temperature	-30°C to +80°C
Maximum power dissipation	10dBm

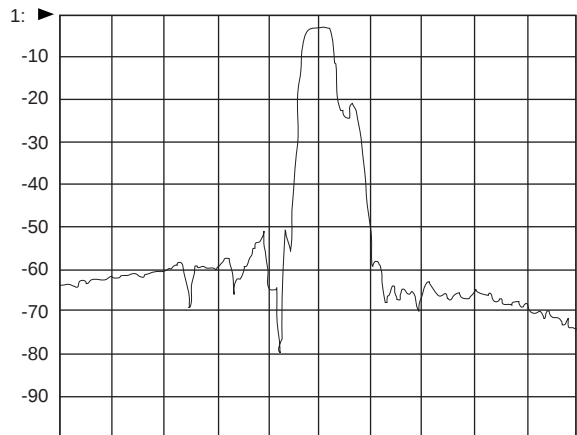
STANDARD SPECIFICATIONS

CHARACTERISTICS	UNIT	min.	typ.	max.
Center frequency	Fc	MHz	-	915.000
Insertion loss	IL	dB	-	3.2
3dB Passband	BW3	kHz	-	7000
Stopband attenuation	at DC - 600MHz	dB	50	66
	at 600 - 840MHz	dB	40	35
	at 840 - 894MHz	dB	35	40
	at 970-1500MHz	dB	40	45
	at 1500-3000MHz	dB	25	28
Turn-over temperature	To	°C	24	39
Temperature coefficient	Tc	ppm/C ²	-	0.032
Aging absolute first year	[A]	ppm	-	10

Packaging option: -T for tape and reel, see appendix H.

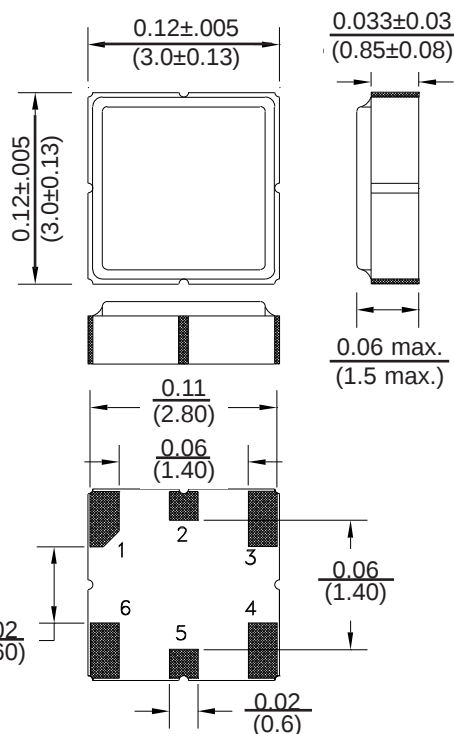
Reflow profile, see appendix E. Reliability specifications, see SAW application notes.

► 1: Transmission Log Mag 10.0 dB/ Ref 0.00 dB C
▷ 2: off



Center 915.000 MHz

Span 300.000 MHz



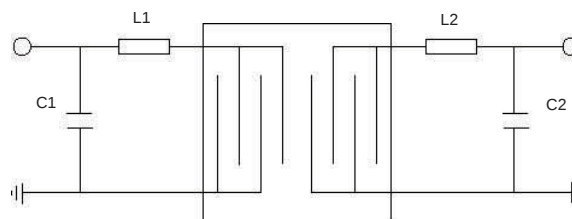
Dimensions: Inches (mm)

Pin No.	Function
1	GND
2	Input
3	GND
4	GND
5	Output
6	GND

Machining circuit to 50 W

Terminating Impedance = 50 + j57.4

C1=C2=2-4 pF, L1=L2=2-3 nH



Marking:

AFS
915.D

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

NOTE: All specifications and markings subject to change without notice

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