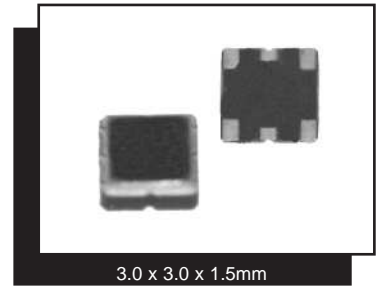


CERAMIC SURFACE-MOUNT
SAW FILTER
AFS915D



FEATURES:

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

COMMON APPLICATIONS:

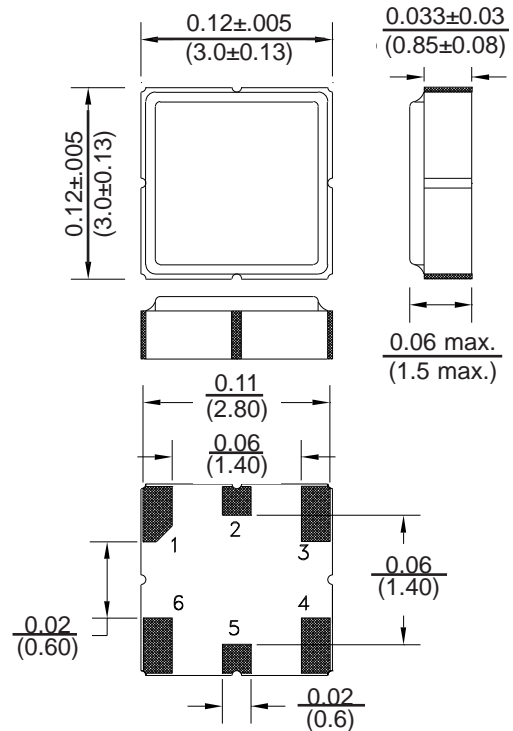
- Wireless car alarm, Garage door opener. (RKE)
- Mobile communications systems

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	3.5
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	-
	at1500-3000MHz	dB	25	28	-
Turn-over temperature	To	°C	24	39	54
Temperature coefficient	Tc	ppm/C ²	-	0.032	-
Aging absolute first year	[A]	ppm	-	-	10

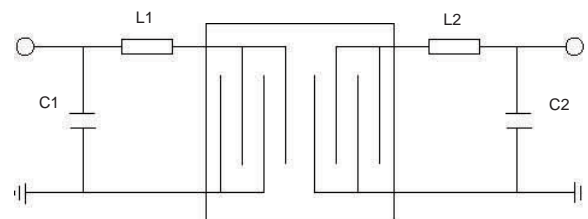


Dimensions: Inches (mm)

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

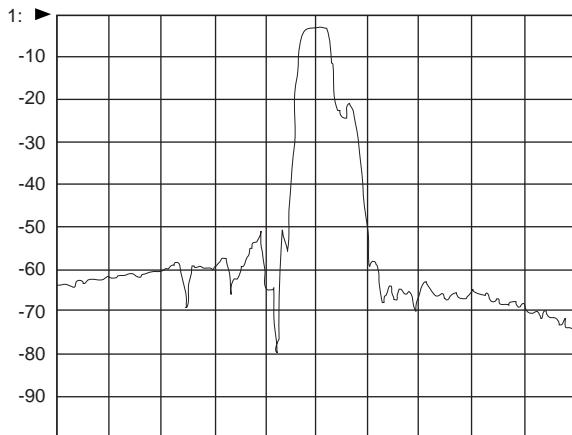
Maching circuit to 50 W:

Terminating Impedance = 50 + j57.4
C1=C2=2-4 pF, L1=L2=2-3 nH



Marking:

AFS
915.D



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



NOTE: All specifications and markings subject to change without notice

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