

5.0 x 5.0 x 1.35mm

CERAMIC SURFACE-MOUNT
SAW FILTER

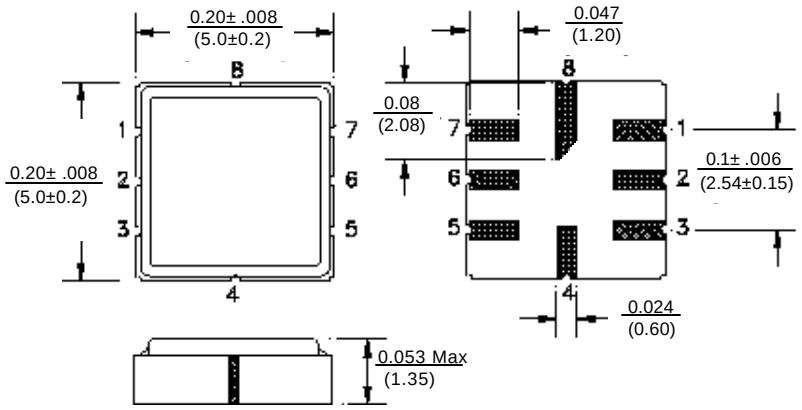
AFS418E

FEATURES:

- SAW Filter 418.00MHz.
- Low Loss, Compact.
- SMD makes reflow soldering possible.
- Gold plated terminals.

COMMON APPLICATIONS:

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



Dimensions: Inches (mm)

ABLSOLUTE MAXIMUM RATINGS:

DC voltage	12Vdc
Operating temperature	-35°C to +85°C
Maximum power dissipation	10dBm

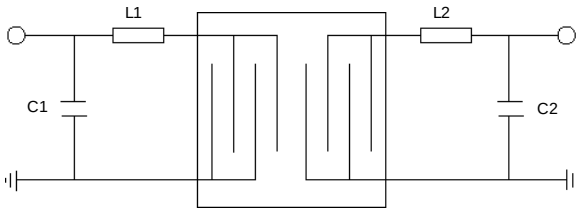
STANDARD SPECIFICATIONS

CHARACTERISTICS		UNIT	min.	typ.	max.
Center frequency	Fc	MHz	-	418.00	-
Insertion loss	IL	dB	-	3.5	5.0
3dB Passband	BW3	kHz	-	600	-
Stopband attenuation	at F_C-21.4MHz	dB	40	50	-
	at F_C-10.7MHz	dB	15	30	-
	Ultimate		-	80	-
Turn-over temperature	To	°C	24	39	54
Temperature coefficient	Tc	ppm/C²	-	0.032	-
Aging absolute first year	[A]	ppm	-	-	10

Pin No.	Function
1	Input
2	Input GND
5	Output
6	Output GND
3, 7	To be GNDed
4, 8	Case GND

Maching circuit to 50 Ω:

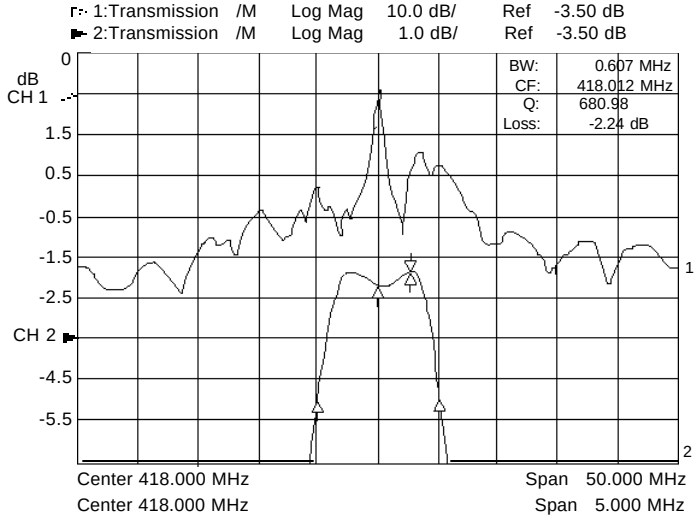
C1=C2=15pF, L1=L2=68 nH



Marking:

AFS
418E

Packaging option: -T for tape and reel, see appendix H.
Reflow profile, see appendix E. Reliability specifications, see SAW application notes.



ABRACON CORPORATION

NOTE: All specifications and markings subject to change without notice

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