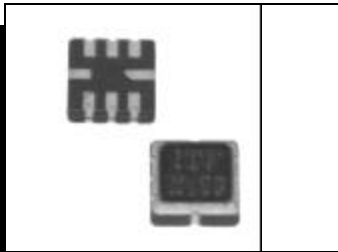


CERAMIC SURFACE-MOUNT
SAW FILTER
AFS418E



5.0 x 5.0 x 1.35mm

FEATURES:

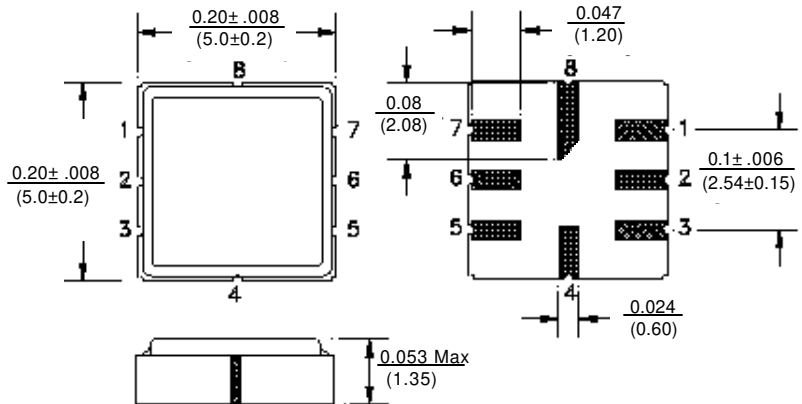
- SAW Filter 418.00MHz.
- Low Loss, Compact.
- SMD makes reflow soldering possible.
- Gold plated terminals.

COMMON APPLICATIONS:

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

ABSOLUTE MAXIMUM RATINGS:

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



Dimensions: Inches (mm)

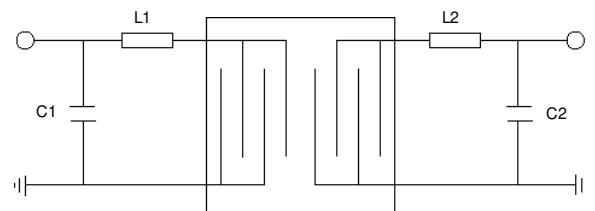
STANDARD SPECIFICATIONS

CHARACTERISTICS		UNIT	min.	typ.	max.
Center frequency	F _c	MHz	-	418.00	-
Insertion loss	IL	dB	-	3.5	5.0
3dB Passband	BW ₃	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	T _o	°C	24	39	54
Temperature coefficient	T _c	ppm/C ²	-	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:

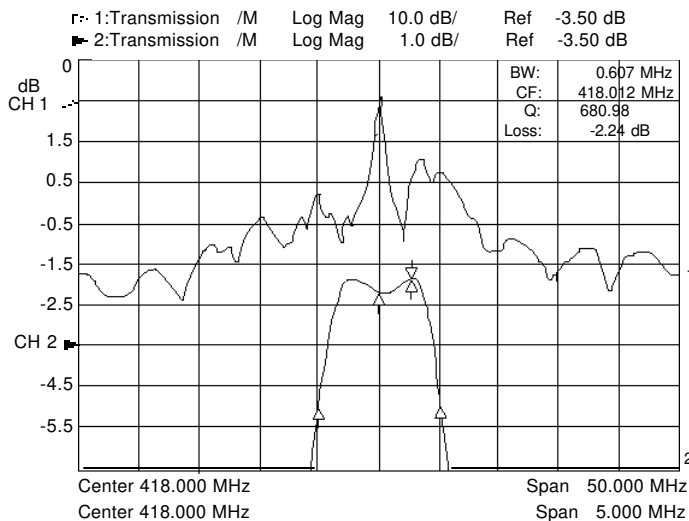
C1=C2=15pF, L1=L2=68 nH



Marking:

AFS
418E

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



NOTE: All specifications and markings subject to change without notice

29 Journey • Aliso Viejo, CA 92656 • USA
(949) 448-7070 • FAX: (949) 448-8484

E-MAIL: abinfo@abracon.com • INTERNET ADDRESS: www.abracon.com

ABRACON IS
ISO 9001 / QS 9000
CERTIFIED