



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

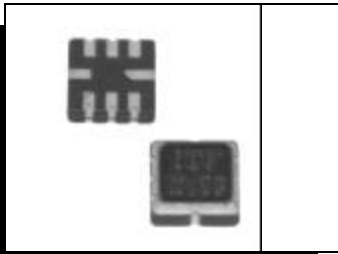
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CERAMIC SURFACE-MOUNT
SAW FILTER
AFS418E



5.0 x 5.0 x 1.35mm

FEATURES:

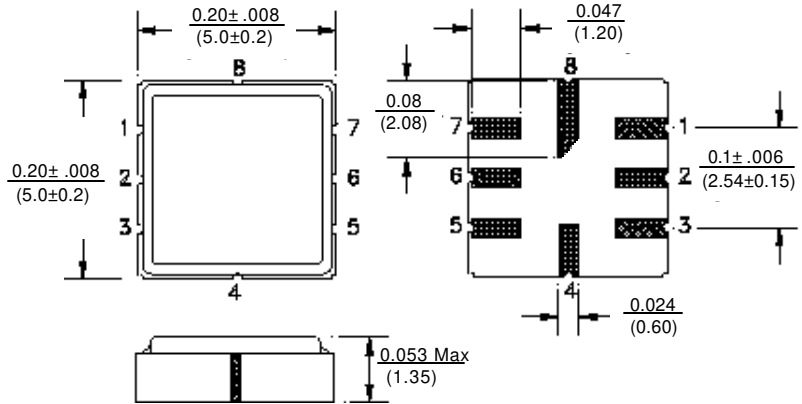
- SAW Filter 418.00MHz.
- Low Loss, Compact.
- SMD makes reflow soldering possible.
- Gold plated terminals.

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)

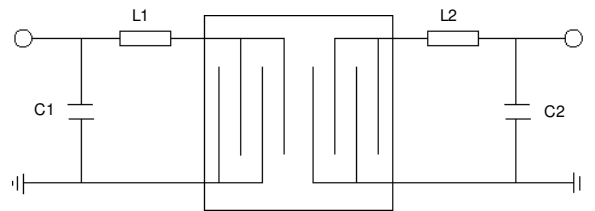
STANDARD SPECIFICATIONS

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:

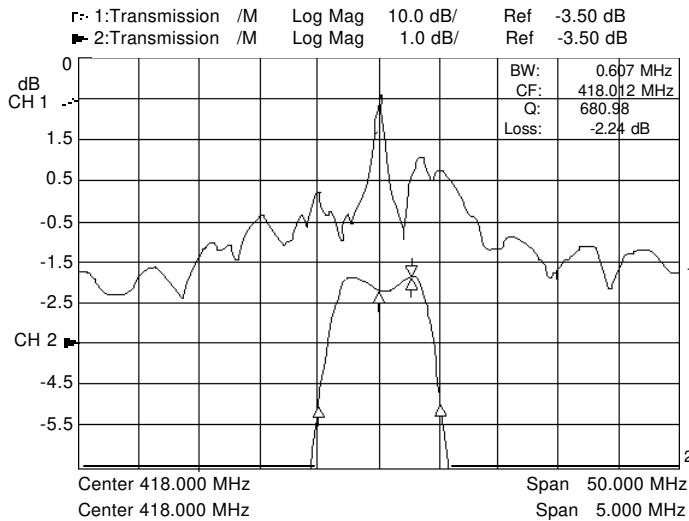
C1=C2=15pF, L1=L2=68 nH



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

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