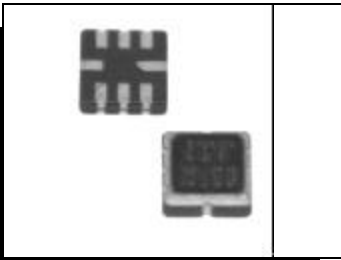


CERAMIC SURFACE-MOUNT
SAW FILTER
AFS315E



5.0 x 5.0 x 1.35mm

FEATURES:

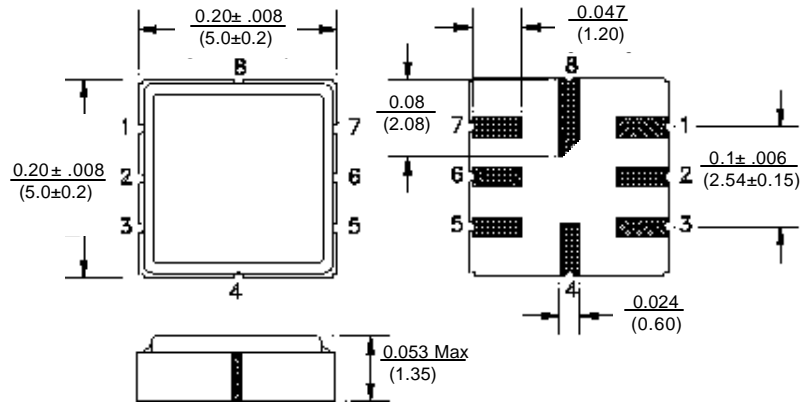
- SAW Filter 315.00 MHz. typ.
- Low Loss, Compact
- SMD makes reflow soldering possible.
- Gold plated terminals.

COMMON APPLICATIONS:

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

ABSOLUTE MAXIMUM RATINGS:

DC voltage	12Vdc
Operating temperature	-40°C to +85°C
Maximum power dissipation	10dBm



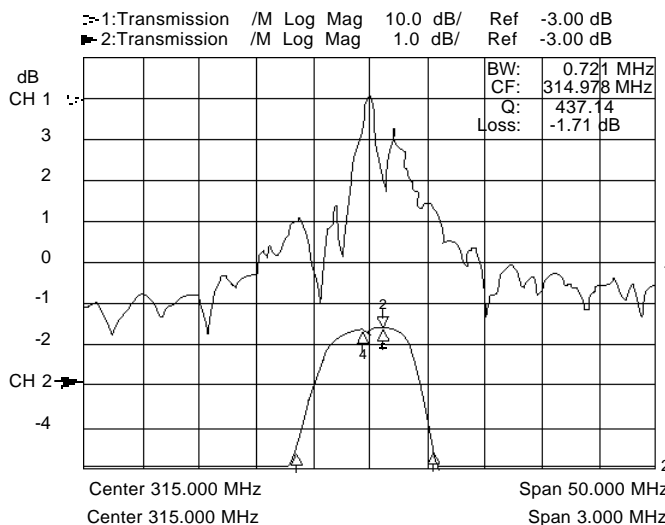
STANDARD SPECIFICATIONS

CHARACTERISTICS	UNIT	min.	typ.	max.	
Center frequency	F _c	MHz	-	315.00	-
Insertion loss	IL	dB	-	3.0	5.5
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

Dimensions: Inches (mm)

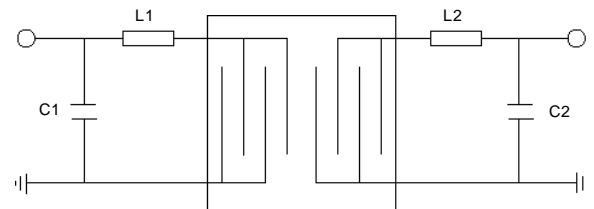
Pin No.	Function
1	Input GND
2	Input
5	Output GND
6	Output
3, 7	To be GNDed
4, 8	Case GND

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



Maching circuit to 50 W:

C1=C2=13pF, L1=L2=80nH



Marking:

AFS
315E



NOTE: All specifications and markings subject to change without notice

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