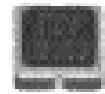


CERAMIC SURFACE-MOUNT

SAW FILTER

AFS433E-02



5.0 x 5.0 x 1.35mm

FEATURES:

- SAW Filter 433.92MHz.
- Low Loss, Compact.
- SMD makes reflow soldering possible.
- Gold plated terminals.

COMMON APPLICATIONS:

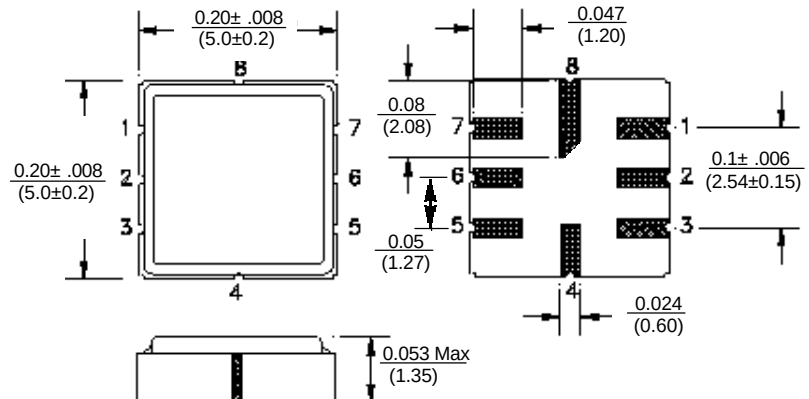
- Wireless car alarm, Garage door opener. (RKE)
- Mobile communications systems

ABSOLUTE MAXIMUM RATINGS:

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

STANDARD SPECIFICATIONS

CHARACTERISTICS		UNIT	min.	typ.	max.
Center frequency	Fc	MHz	-	433.920	-
Insertion loss	IL	dB	-	3.0	5.5
3dB Passband	BW3	kHz	-	±300	-
3dB Reject band	BW3	kHz	-	-	±500
Stopband attenuation	at F _C -21.4 ^{MHz}	dB	40	50	-
	at F _C -10.7 ^{MHz}	dB	15	30	-
	Ultimate		-	80	-
Turn-over temperature	To	°C	24	39	54
Temperature coefficient	Tc	ppm/°C	-	0.032	-
Aging absolute first year	[A]	ppm	-	-	10

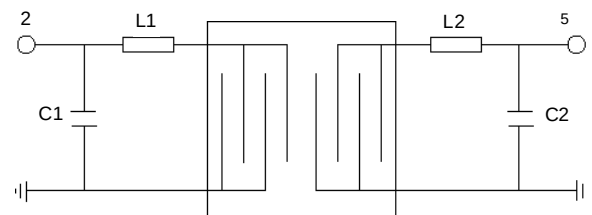


Dimensions: Inches (mm)

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

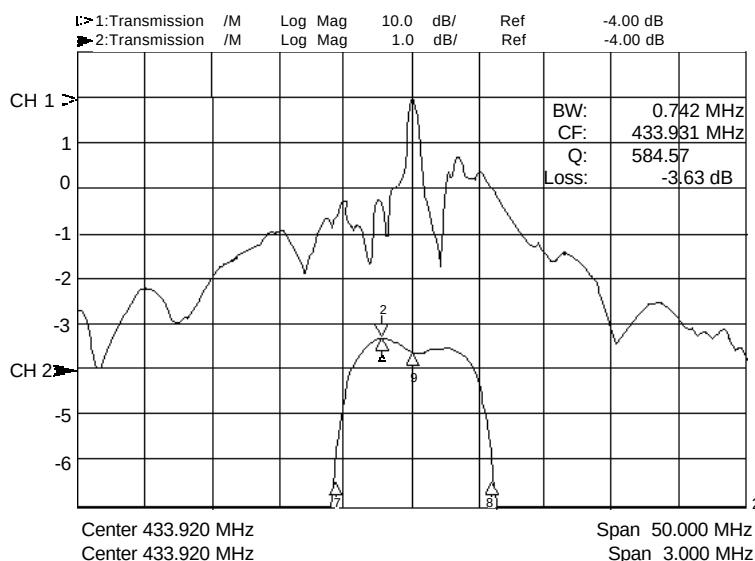
Matching circuit to 50 W:

C1=C2=13pF, L1=L2=43 nH



Marking:

AFS
433E-2



ABRACON IS
ISO 9001 / QS 9000
CERTIFIED

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
CORPORATION

S5