

CERAMIC SURFACE-MOUNT RF SAW FILTERS AFS433E

5.0 x 5.0 x 1.7 mm

FEATURES:

- RF filter 433.92MHz. See page 87- 88 for additional frequencies.
- Miniature and light weight.
- SMD makes reflow soldering possible.

APPLICATIONS:

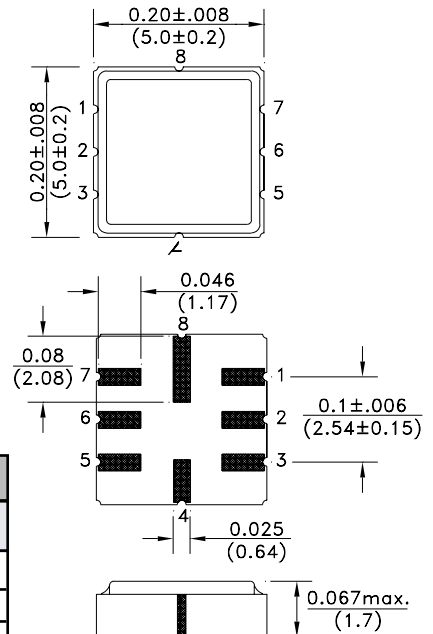
- Wireless car alarm, Garage door opener.
- Remote keyless entry.

ABSOLUTE MAXIMUM RATINGS:

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

STANDARD SPECIFICATIONS

Characteristics	Unit	Conditions	Specifications	Note
Center frequency	F _c	MHz	433.92	1
Insertion loss	IL	dB	Minimum	5.0 max.
3dB bandwidth	BW ₃	kHz	3dB	500 min. ~ 750 max.
Pass band	dB	433.76 ~ 434.08MHz	2.0 max.	1
	dB	433.74 ~ 434.10MHz	3.0 max.	
	dB	433.68 ~ 434.16MHz	6.0 max.	
Stopband attenuation	dB	414 ~ 428MHz	40 min.	1
	dB	428MHz ~ 432.84MHz	15 min.	
	dB	434.92 ~ 442MHz	10 min.	
	dB	442 ~ 550MHz	33 min..	
	dB			
Impedance at F _c	Z _{Fc}	Ω/pF	Input	2
			Output	



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

Marking:

433E
AZY

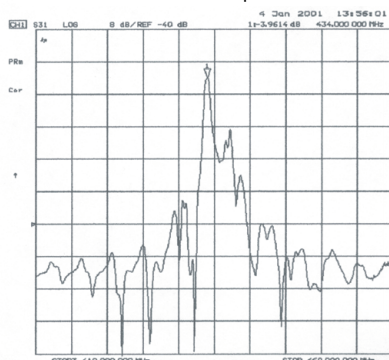
(ZY: Date code)

Packaging option: -T for tape and reel, see appendix H.

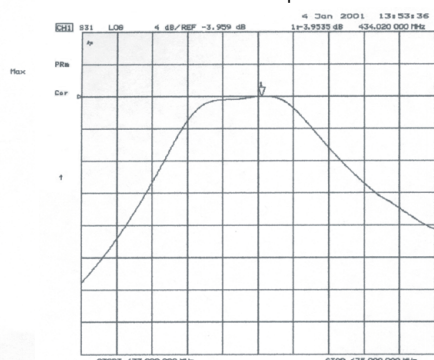
Reflow profile, see appendix E.

Reliability specifications, see SAW application notes.

Start F = 410.00MHz Stop F = 460.00MHz

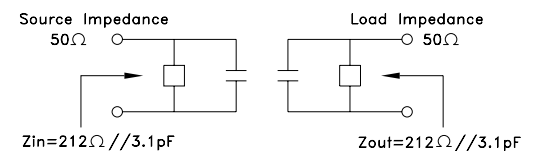


Start F = 433.00MHz Stop F = 435.00MHz

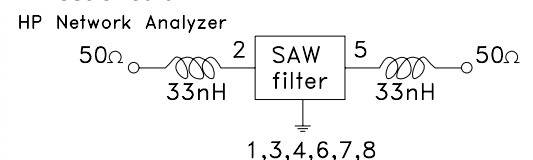


Note 1. The standard definitions is in JIS C 6703

Note 2.



Test circuit:



NOTE: Left blank if standard • 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