

6.6 GHz WiFi 6E Coexistence BAW Filter

A10266

Description

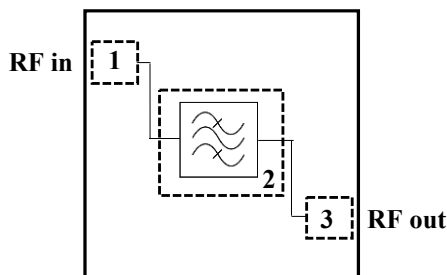
Akoustis’ A10266 is a high-performance, ultra-wide bandwidth BAW RF Filter for use in WiFi 6E applications covering portions of U-NII-5 thru U-NII-8 bands. A10266 utilizes Akoustis’ patented, XBAW™ technology which provides leading RF filter performance. This BAW RF filter provides low insertion loss and meets the stringent rejection requirements enabling coexistence with U-NII-1 thru 4. This device exhibits high-power handling capabilities necessary for demanding power requirements of the latest WiFi 6E standards. A10266 is a fully integrated, 50Ω module using standard laminate packaging and is compatible with high volume, lead-free SMT soldering processes.

- Small form factor 3.5mm x 3.5mm x 1.72mm
- Single-ended Tx/Rx ports.
- Ultra-wide passband covering 1020 MHz
- High rejection enables coexistence with adjacent WiFi UNII bands
- High power rating, maximum +27 dBm
- Low insertion loss bandpass filter
- Performance over -40 C to +85C
- RoHS compliant, Pb-free package

Applications

- WiFi 6E tri band routers, integrated cable modem
- WiFi 6E tri band access points
- LTE/LAA small cells

Functional Block Diagram



Pin #	Description
1	RF Input
2	Ground
3	RF Output

Ordering Information

Part Number	Description
A10266EVB	Evaluation board
A10266SP	(5) Loose pcs
A10266SR	(100) Short Reel (7" Reel)
A10266TR1	(1000) Tape & Reel (7" Reel)
A10266TR2	(2500) Tape & Reel (13" Reel)

PRODUCT SUMMARY A10266

Product Compliance Information

ESD Sensitivity Ratings

Human Body Model (HBM) Test

Rating: TBD

Standard: ANSI/ESDA/JEDEC JS-001-2017

Charged Device Model (CDM)

Rating: TBD

Standard: ANSI/ESDA/JEDEC JS-002-2018

MSL Rating

TBD

RoHS

This part is compliant with the 2011/65EU RoHS directive on the restrictions of the use of certain hazardous substances in electrical and electronic equipment as amended by Directive (EU) 2015/863

Contact Information

All contents specified in the datasheet are subject to change. Please contact Akoustis for the latest on our products and company information.

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