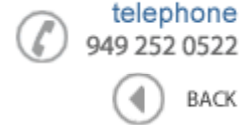




Data Sheet



Product Category: IF SAW Filter

| Part Number | Package | Application | Last Modified |
|-----------------|----------------|-------------|---------------|
| 871-IF38.912M-F | 11.5 x 4.8 SMD | DAB | Jan. 01, 2007 |

TYPE :

38.912 MHz IF SAW Filter for DAB Application
1.5 MHz Bandwidth



PART NUMBER :

871-IF38.912M-F**OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS**

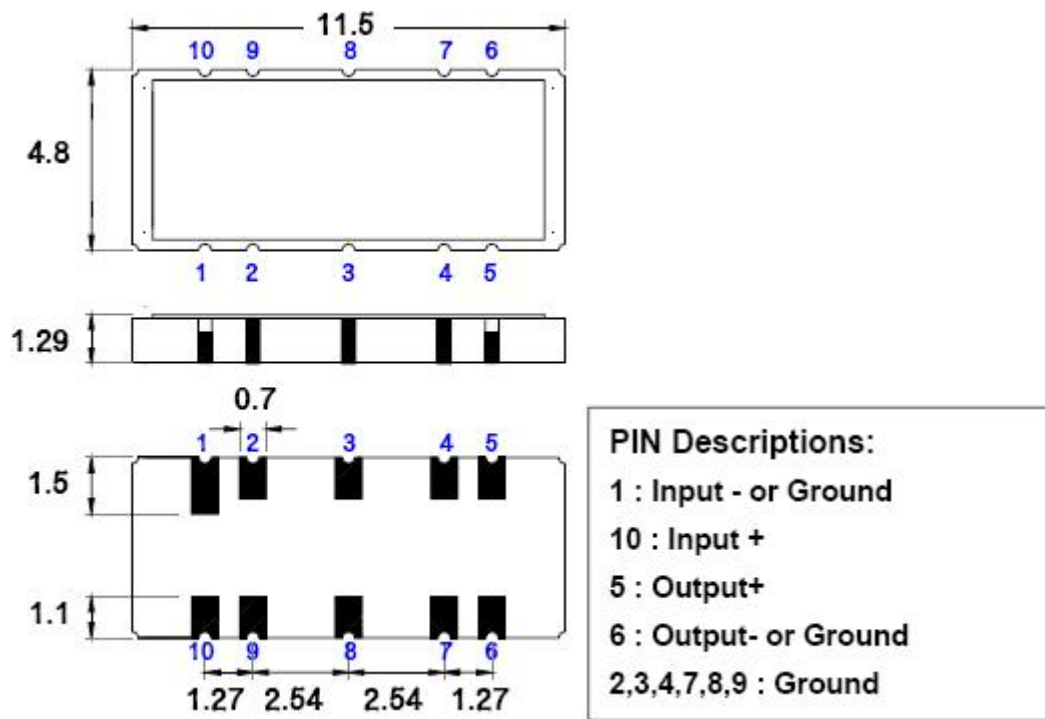
| PARAMETERS | Minimum | Typical | Maximum | Units |
|--|---------|---------|---------|--------|
| Center Frequency | - | 38.912 | - | MHz |
| Insertion Loss at Fo | - | 17.0 | 19.0 | dB |
| -3.0 dB Bandwidth | - | 1.5 | - | MHz |
| -30.0 dB Bandwidth | - | 2.5 | - | MHz |
| Relative Attenuation 30.00 to 36.26 MHz | 38 | 43 | - | dB |
| Relative Attenuation 36.26 to 37.30 MHz | 38 | 42 | - | dB |
| Relative Attenuation 40.60 to 41.40MHz | 38 | 42 | - | dB |
| Relative Attenuation 41.40 to 50.00MHz | 38 | 43 | - | dB |
| Source Impedance (Single Ended or Balanced)* | - | 50/2000 | - | ohm |
| Load Impedance (Single Ended or Balanced)* | - | 50/2000 | - | ohm |
| Group Delay Variation | - | 80 | 200 | ns |
| Storage Temperature | -40 | - | +85 | ppm/°C |
| Operating Temperature | -30 | - | +80 | °C |
| Temperature Coefficient | - | -20 | - | ppm/°C |
| Absolute Delay at Fo | - | 1.36 | - | µsec |

* With Matching Network (Ref. Testing Environment Circuit as shown below)

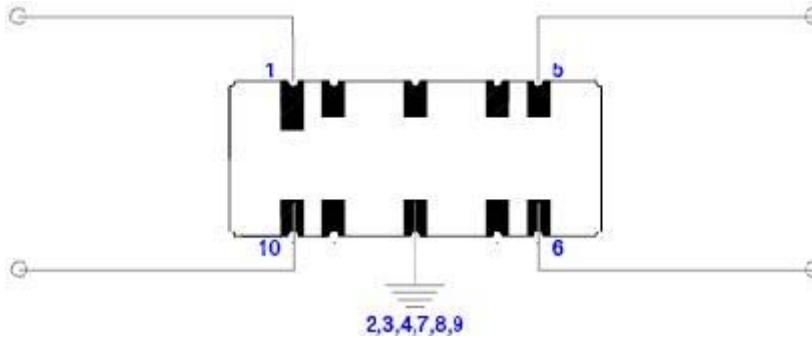
Those impedances could be modified with different impedance values and/or structures, if necessary.

** Custom SAW IF Filters available. Contact Oscilent for assistance.

PACKAGE OUTLINE (mm)

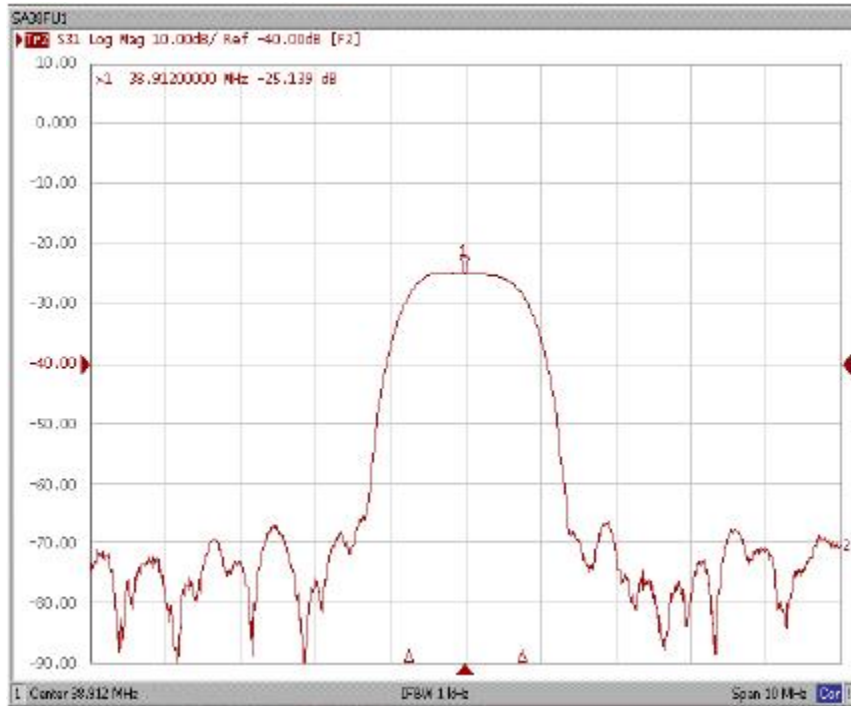


TEST CIRCUIT

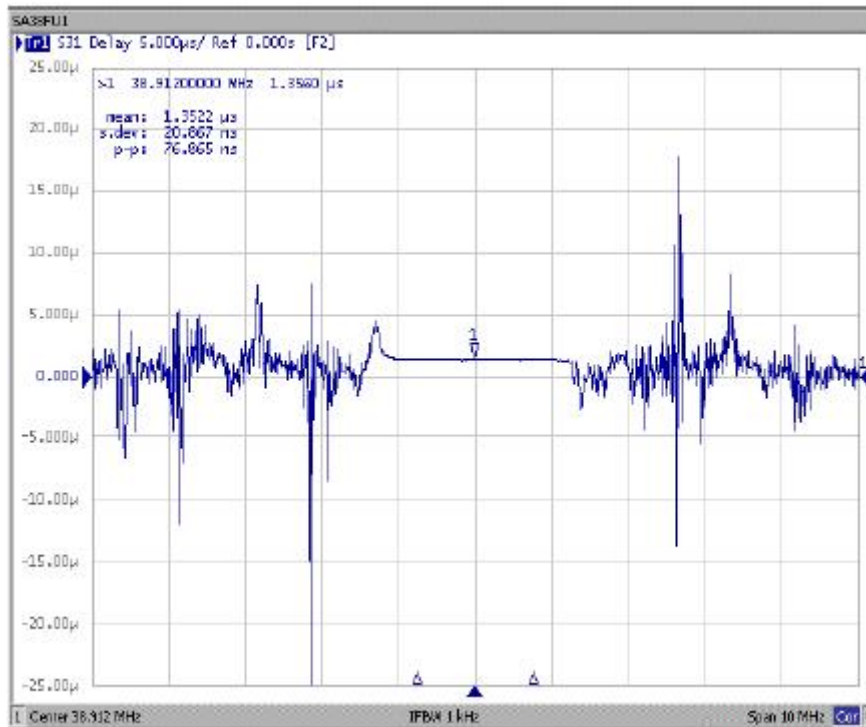


SOURCE AND LOAD IMPEDANCE: 50 or 2K ohm

FREQUENCY RESPONSE



GROUP DELAY VARIATION



Oscilent Corporation - CALL **949.252.0522**

Part No.: 871-IF38.912M-F

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