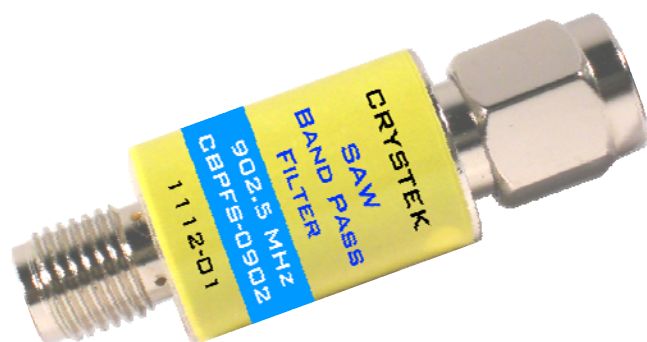


**CRYSTEK**  
**MICROWAVE**  
A DIVISION OF CRYSTEK CORPORATION

SAW Band Pass Filter  
50  $\Omega$  SMA



Part Number: CBPFS-0902  
Center Frequency 902.5 MHz  
Band Pass Width 25 MHz



### Features:

- SAW Band Pass Filter
- 50  $\Omega$  SMA Connectors

### Applications:

- Test Equipment
- Lab Use

### Maximum Ratings:

- Input Power: +10 dBm
- Operating Temperature: -40°C to 85°C
- Storage Temperature: -40°C to 85°C

Crystek's line of SAW Band Pass Filters are designed in a rugged SMA housing. This filter line has excellent out-of-band rejection. Designed for Test Equipment and General Lab Use.

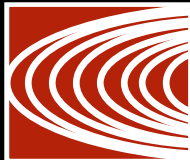
#### Product Control:

|                      |            |               |               |
|----------------------|------------|---------------|---------------|
| Crystek Part Number: | CBPFS-0902 | Release Date: | 08-Feb-2016   |
| Revision Level:      | G          | Responsible:  | K. Piotrowicz |



**CRYSTEK**  
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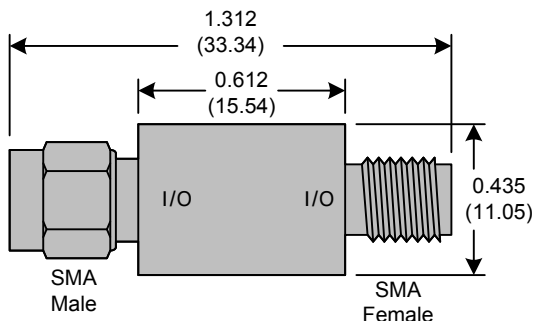
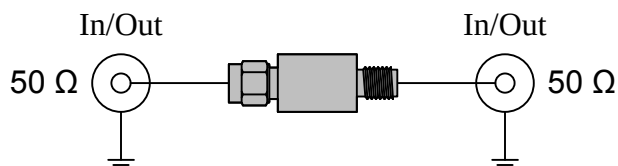


# SAW Band Pass Filter

## CBPFS-0902

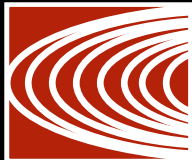
| PERFORMANCE SPECIFICATION    | MIN | TYP     | MAX | UNITS              |
|------------------------------|-----|---------|-----|--------------------|
| Center Frequency:            |     | 902.500 |     | MHz                |
| Pass Bandwidth:              |     | 25      |     | MHz                |
| Insertion Loss:              |     | 2.0     |     | dB                 |
| Amplitude Ripple:            |     | 0.6     |     | dB                 |
| Attenuation: DC – 860 MHz    |     | 48      |     | dB                 |
| Attenuation: 925 – 935 MHz   |     | 19      |     | dB                 |
| Attenuation: 945 – 980 MHz   |     | 30      |     | dB                 |
| Attenuation: 980 – 1200 MHz  |     | 48      |     | dB                 |
| Attenuation: 1200 – 3000 MHz |     | 28      |     | dB                 |
| VSWR:                        |     |         | 2:1 |                    |
| Impedance:                   |     | 50      |     | $\Omega$           |
| Operating Temperature Range: | -40 |         | +85 | $^{\circ}\text{C}$ |
| Storage Temperature Range:   | -40 |         | +85 | $^{\circ}\text{C}$ |

### Schematic

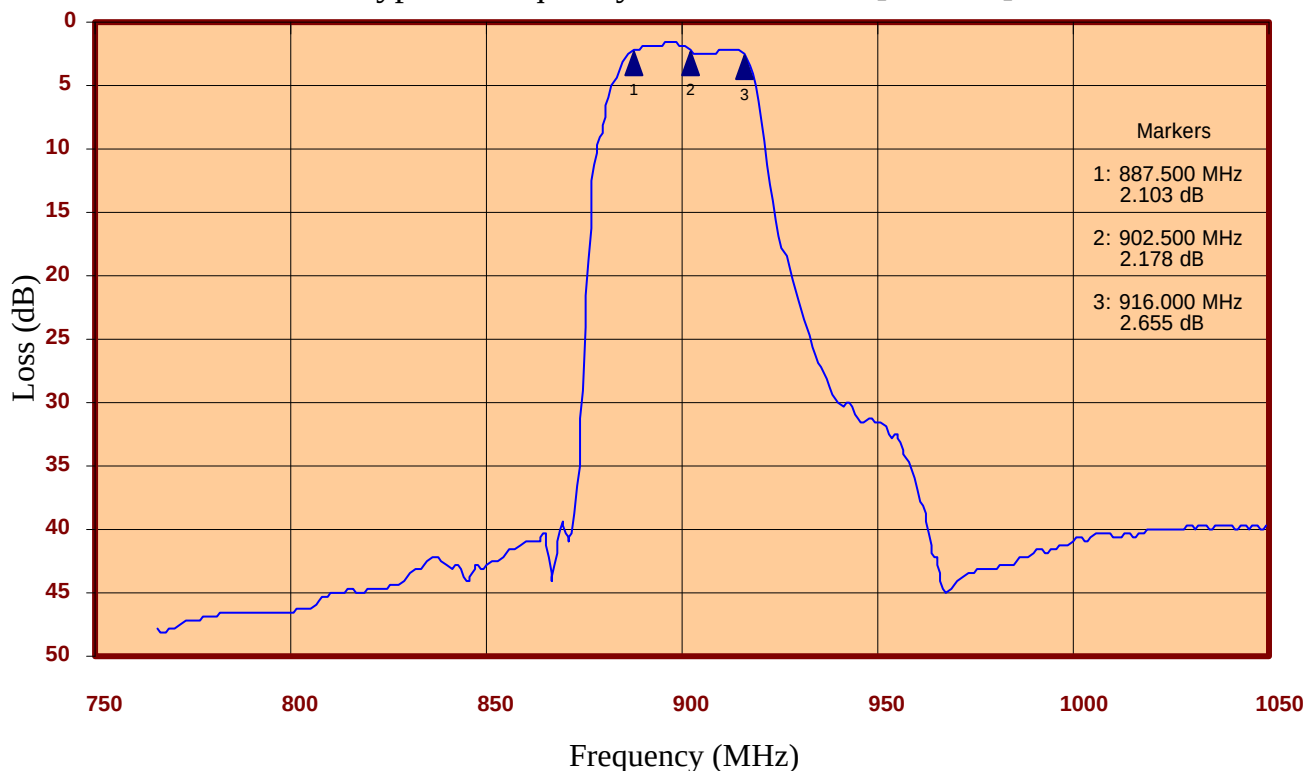


Rev G

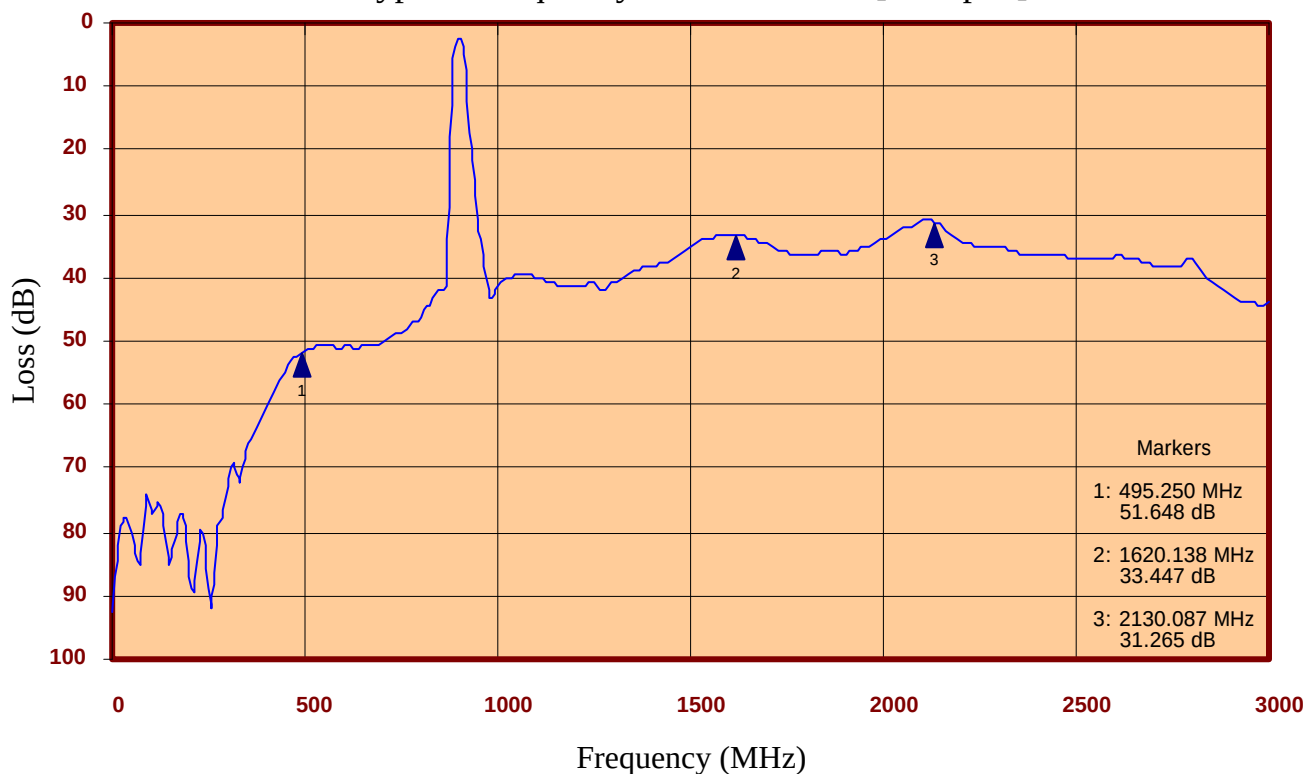




Typical Frequency Characteristics [close in]

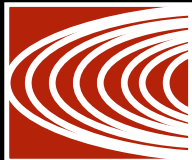


Typical Frequency Characteristics [full span]

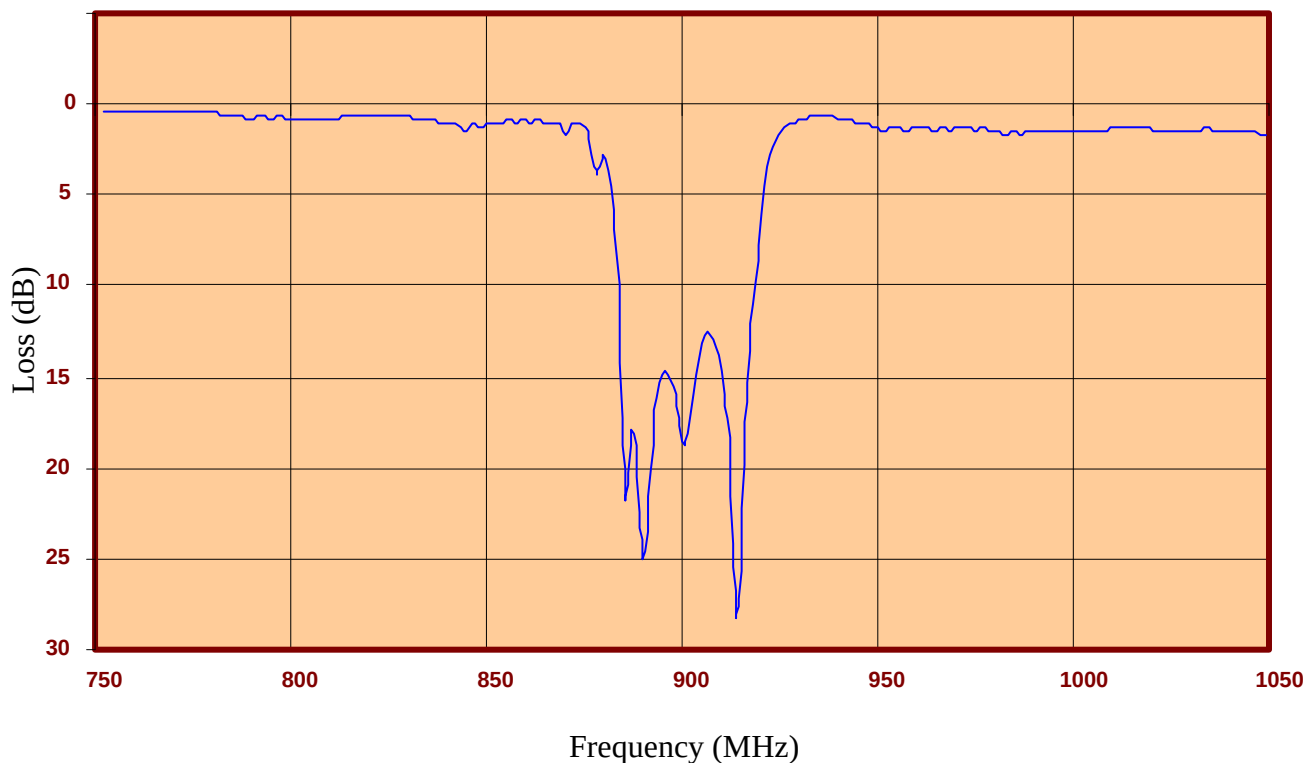


Rev G

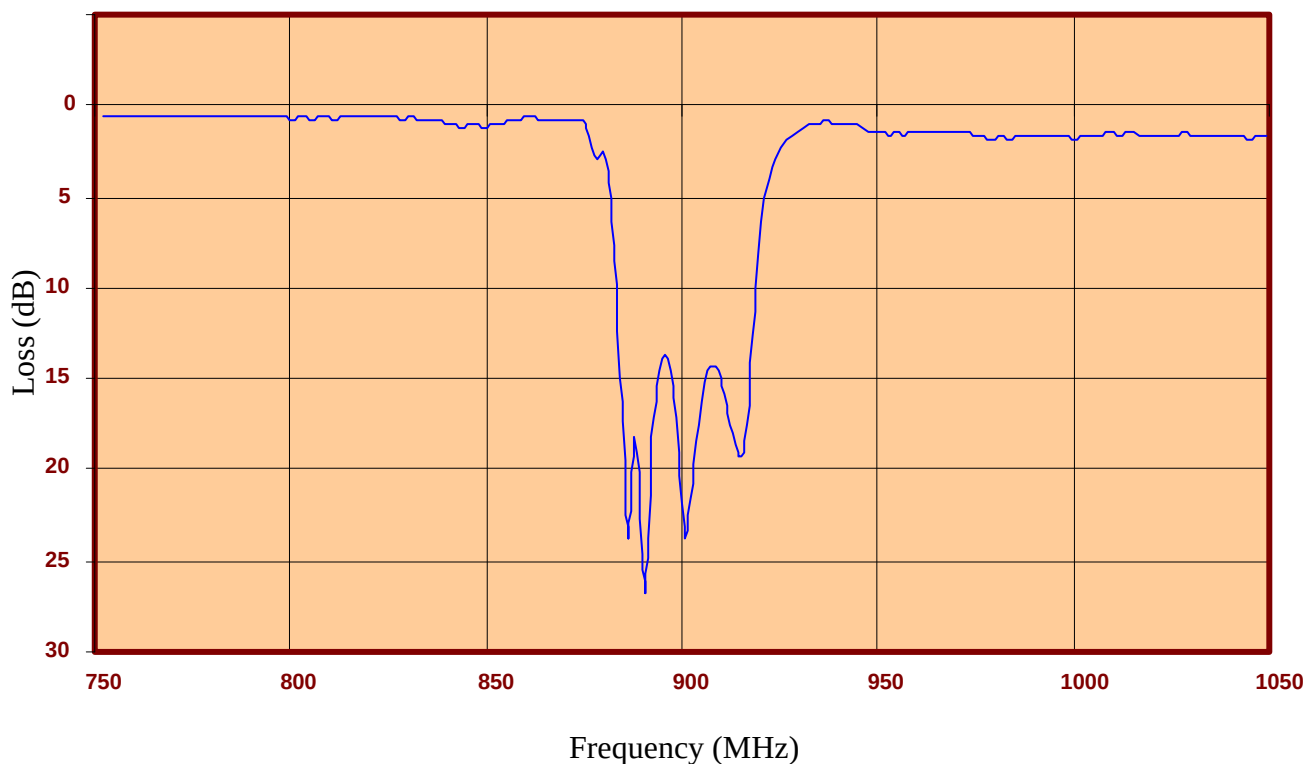




Male Side Return Loss



Female Side Return Loss



Rev G



# Mouser Electronics

Authorized Distributor

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