



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

SAW Band Pass Filter  
50  $\Omega$  SMA



Part Number: CBPFS-0915  
Center Frequency 915 MHz  
Band Pass Width 26 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-0915 | Release Date: | 08-Feb-2016   |
| Revision Level:      | F          | Responsible:  | K. Piotrowicz |



**CRYSTEK**  
CORPORATION

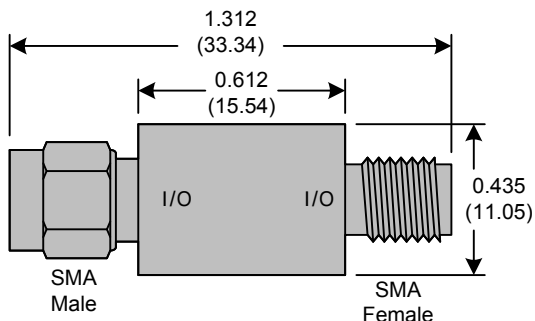
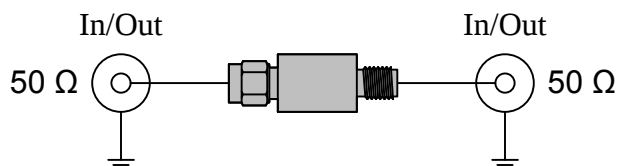
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913  
PHONE: 239-561-3311 • 800-237-3061  
FAX: 239-561-1025 • WWW.CRYSTEK.COM



# SAW Band Pass Filter CBPFS-0915

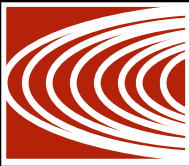
| PERFORMANCE SPECIFICATION    | MIN | TYP | MAX | UNITS              |
|------------------------------|-----|-----|-----|--------------------|
| Center Frequency:            |     | 915 |     | MHz                |
| Pass Bandwidth:              |     | 26  |     | MHz                |
| Insertion Loss:              |     | 2.2 |     | dB                 |
| Amplitude Ripple:            |     | 0.6 |     | dB                 |
| Attenuation: DC – 800 MHz    |     | 63  |     | dB                 |
| Attenuation: 800 – 880 MHz   |     | 48  |     | dB                 |
| Attenuation: 960 – 1080 MHz  |     | 39  |     | dB                 |
| Attenuation: 1080 – 1500 MHz |     | 65  |     | dB                 |
| Attenuation: 1500 – 3000 MHz |     | 28  |     | dB                 |
| VSWR:                        |     | 1.6 | 2.3 |                    |
| Impedance:                   |     | 50  |     | $\Omega$           |
| Operating Temperature Range: | -40 |     | +85 | $^{\circ}\text{C}$ |
| Storage Temperature Range:   | -40 |     | +85 | $^{\circ}\text{C}$ |

## Schematic

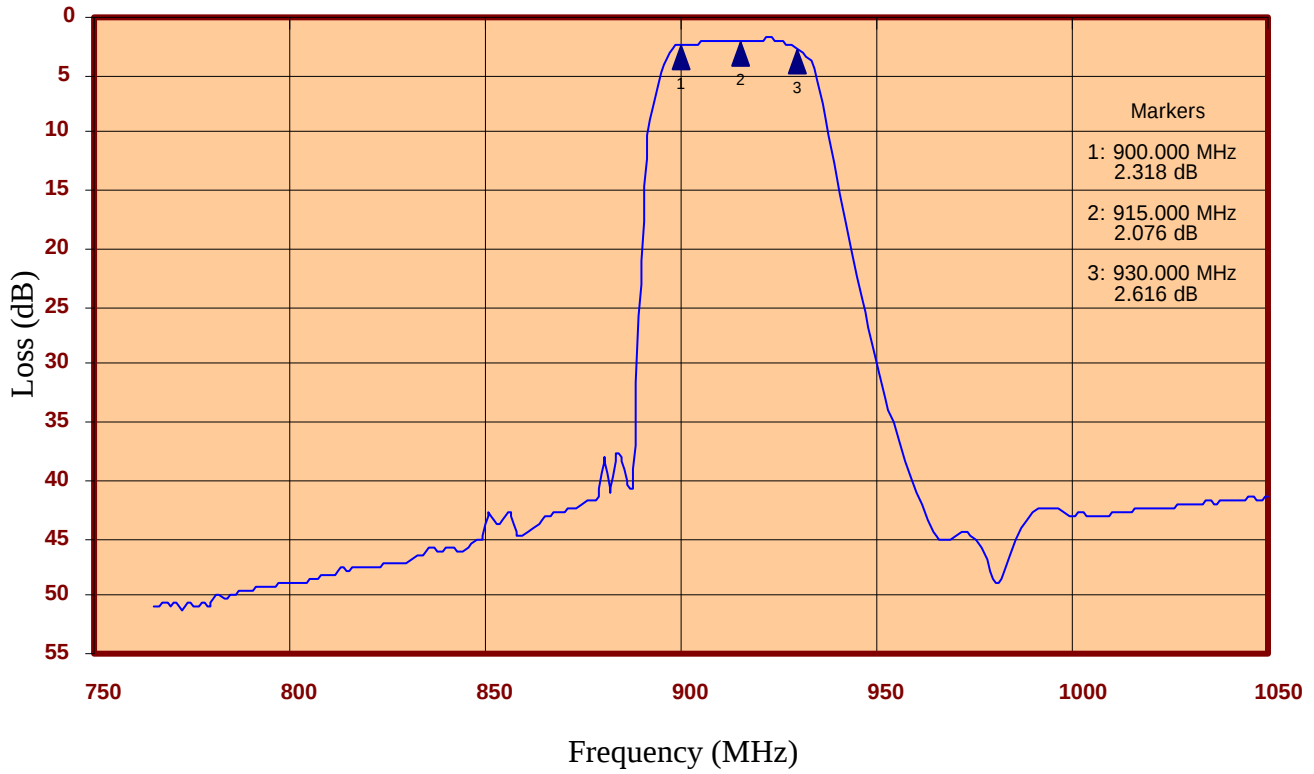


Rev F

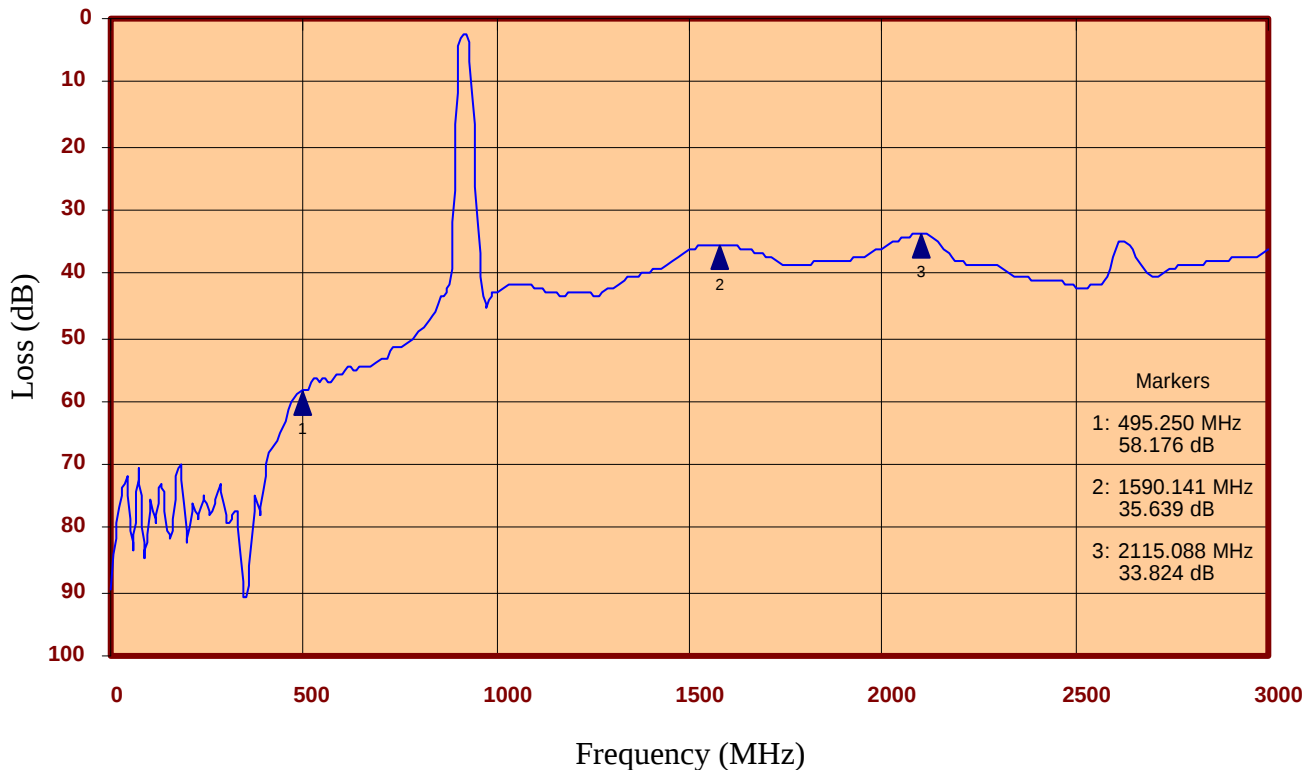




Typical Frequency Characteristics [close in]

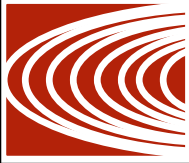


Typical Frequency Characteristics [full span]

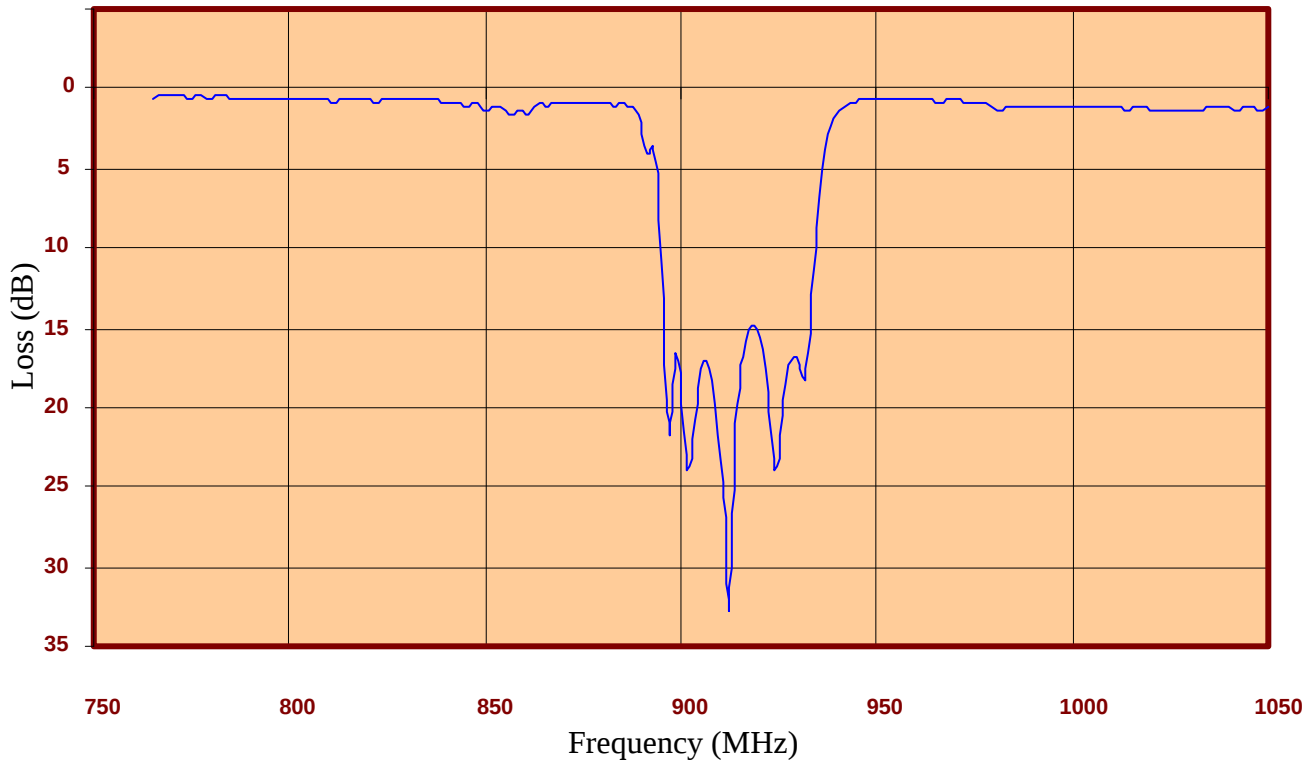


Rev F

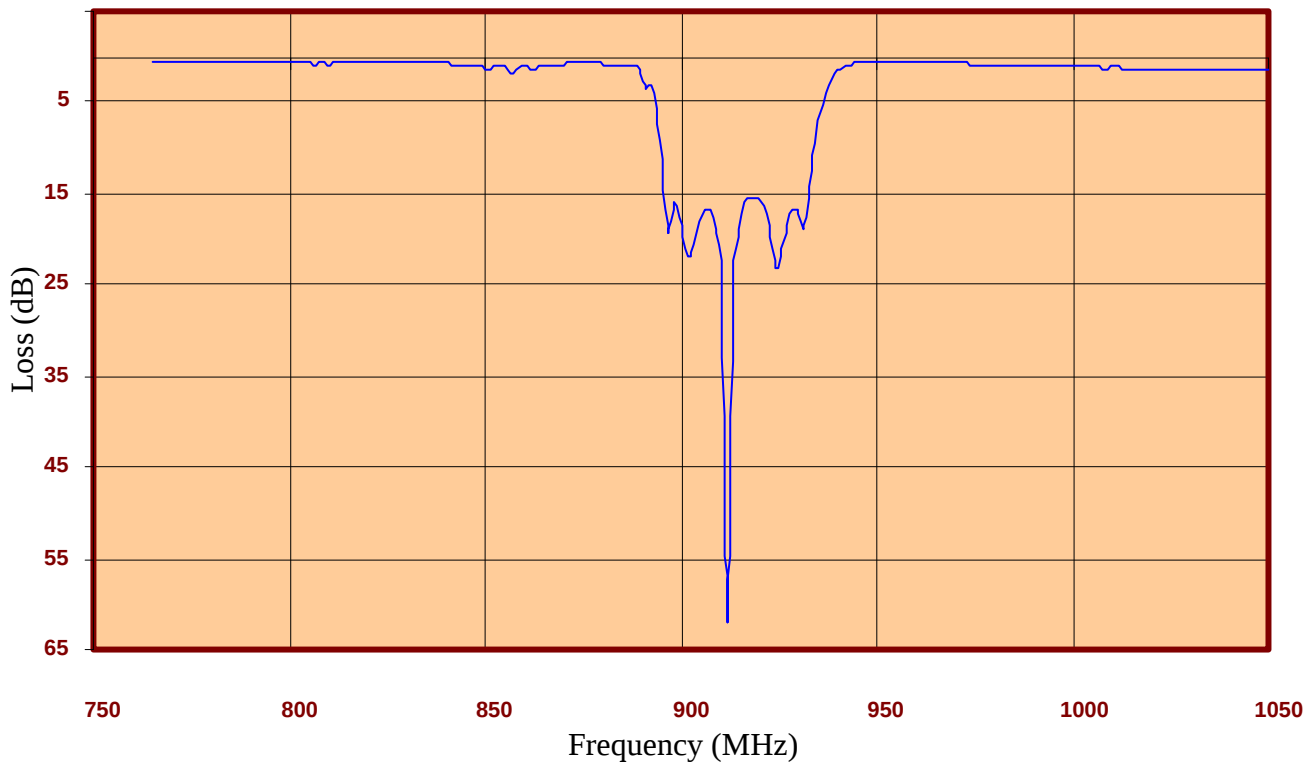




Male Side Return Loss



Female Side Return Loss



Rev F

