

# SGC Technologies, Inc.

## PRODUCT SPECIFICATION FOR INFORMATION

**PRODUCT NAME: SBP-8R8 TYPE**

**PART NO: SBP-8R8-902BP8G**

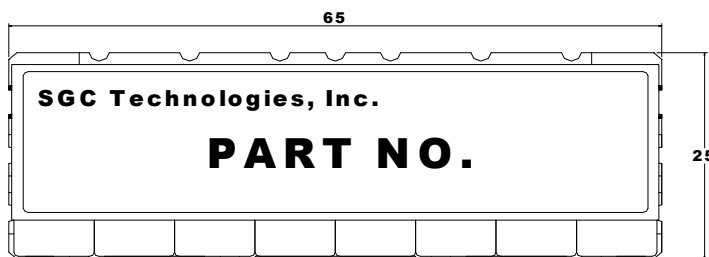
|                     |                      |
|---------------------|----------------------|
| Center frequency    | 902MHz               |
| Pole                | 8                    |
| Band width (BW)     | Fo $\pm$ 4.1MHz      |
| Insertion Loss (Fo) | 7.0 dB max           |
| VSWR in BW          | 2.0 max              |
| Ripple in BW        | 3.0 dB max           |
| Attenuation         | 40dBc min at 887 MHz |
|                     | 40dBc min at 917 MHz |
| In/Out Impedance    | 50 ohm               |

**NOTE:**

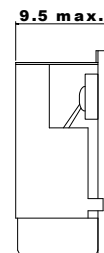
**EQUIPMENT used :HP 8753E**

**DIMENSION:**

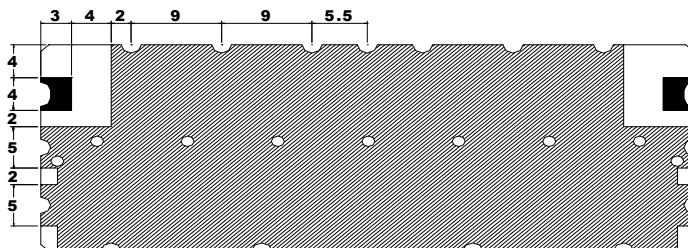
**TOP VIEW**



**SIDE VIEW**



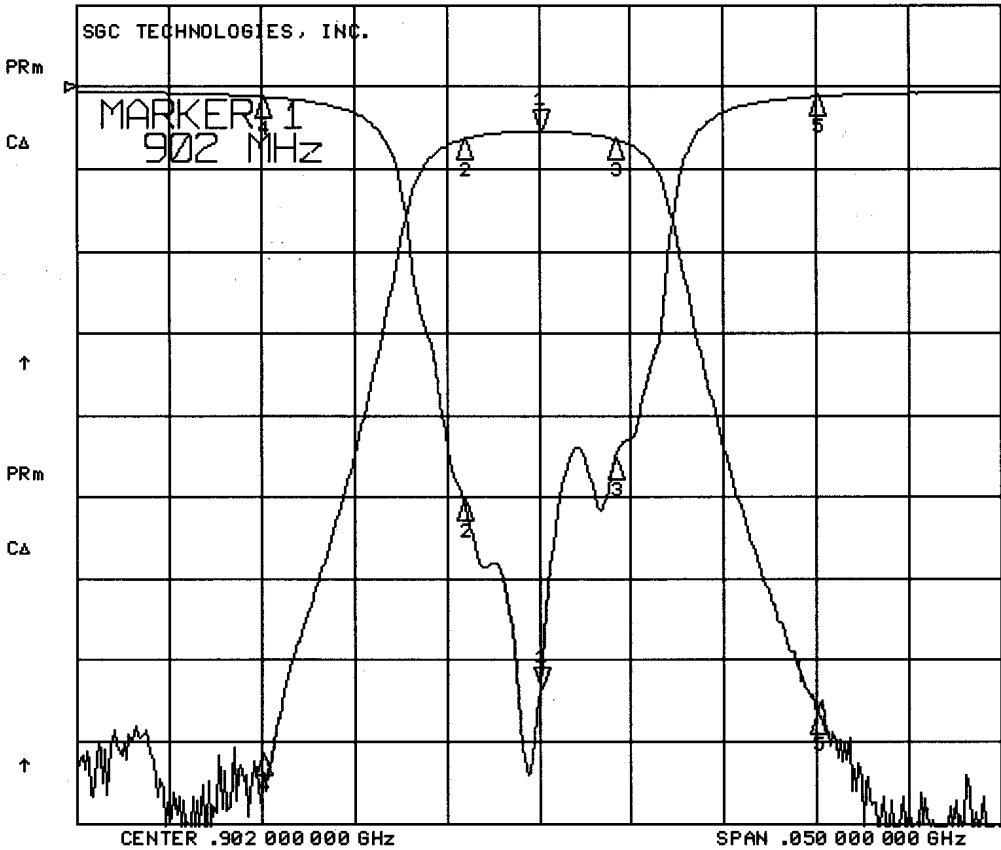
**BOTTOM VIEW**



**TOLERANCE UNLESS OTHERWISE SPECIFIED :  $\pm$ 0.3**  
**DIMENSIONS : mm**

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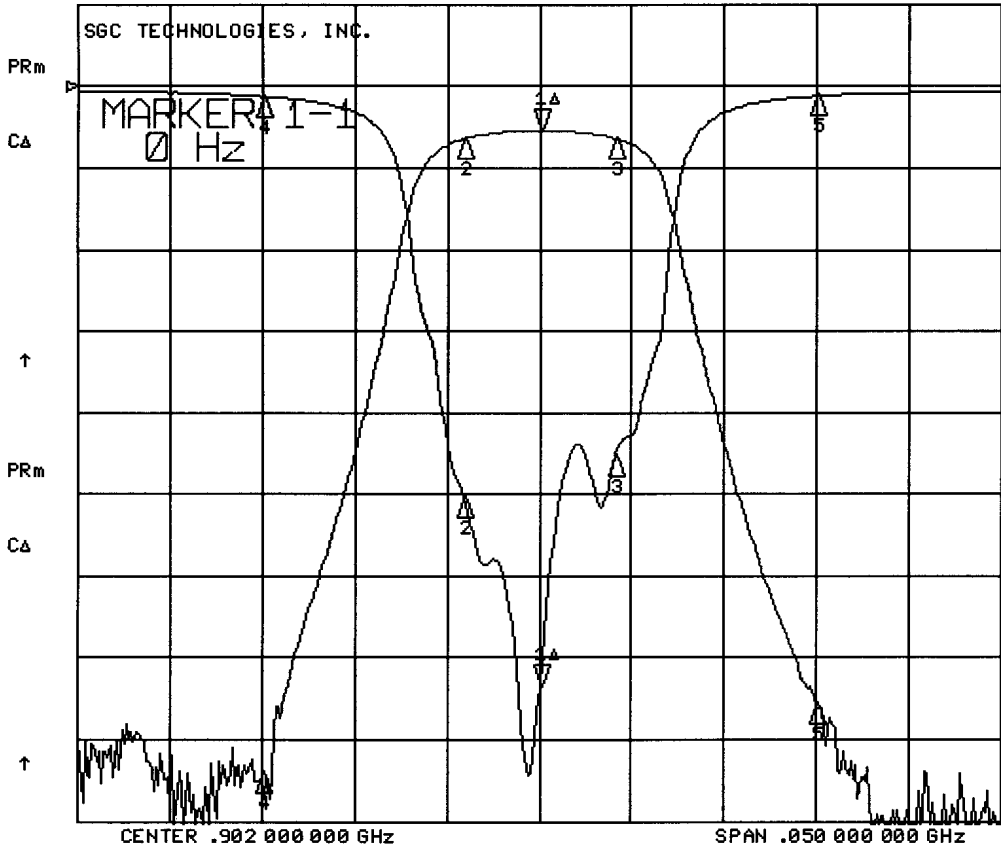
**CH1** S11 LOG 5 dB/REF 0 dB 1:-36.753 dB .902 000 000 GHz  
**CH2** S21 LOG 10 dB/REF 0 dB 1:-5.3560 dB



**CH1 Markers**  
 2:-25.148 dB  
 897.900 MHz  
 3:-22.684 dB  
 906.100 MHz  
 4:-50700 dB  
 887.000 MHz  
 5:-.58100 dB  
 917.000 MHz

**CH2 Markers**  
 2:-6.3460 dB  
 897.900 MHz  
 3:-6.3480 dB  
 906.100 MHz  
 4:-81.687 dB  
 887.000 MHz  
 5:-76.663 dB  
 917.000 MHz

**CH1** S11 LOG 5 dB/REF 0 dB 1: 0.0000 dB 0.000 000 000 GHz  
**CH2** S21 LOG 10 dB/REF 0 dB 1: 0.0000 dB



**CH1 Markers**  
 ΔREF=1  
 2: 11.589 dB  
 -4.10000 MHz  
 3: 14.086 dB  
 4.10000 MHz  
 4: 36.157 dB  
 -15.0000 MHz  
 5: 36.180 dB  
 15.0000 MHz

**CH2 Markers**  
 2:-.99500 dB  
 -4.10000 MHz  
 3:-.99300 dB  
 4.10000 MHz  
 4:-78.827 dB  
 -15.0000 MHz  
 5:-70.232 dB  
 15.0000 MHz