

# SGC Technologies, Inc.

## PRODUCT SPECIFICATION FOR INFORMATION

**PRODUCT NAME: SBP-8R6 TYPE**

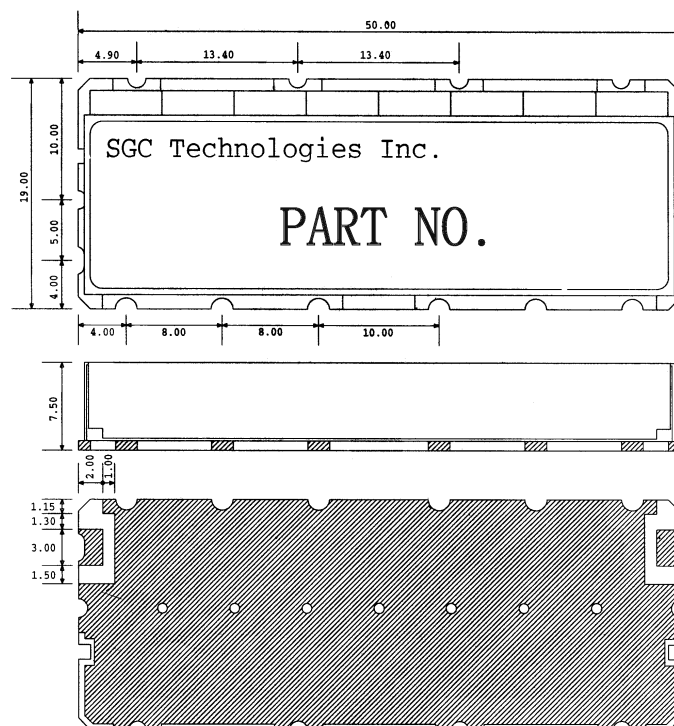
**PART NO: SBP-8R6-1750BP175C**

|                  |                               |
|------------------|-------------------------------|
| Center frequency | 1750 MHz                      |
| Pole             | 8                             |
| Band width (BW)  | 175 MHz                       |
| Insertion Loss   | 3.0 dB max                    |
| VSWR in BW       | 1.5 max                       |
| Ripple in BW     | 1.0 dB max                    |
| Attenuation      | -65dBc min at DC ~ 919 MHz    |
|                  | -50dBc min at 919 ~ 1378 MHz  |
|                  | -40dBc min at 2078 ~ 3000 MHz |
| In/Out Impedance | 50 ohm                        |

**NOTE:**

**EQUIPMENT used :HP 8753D**

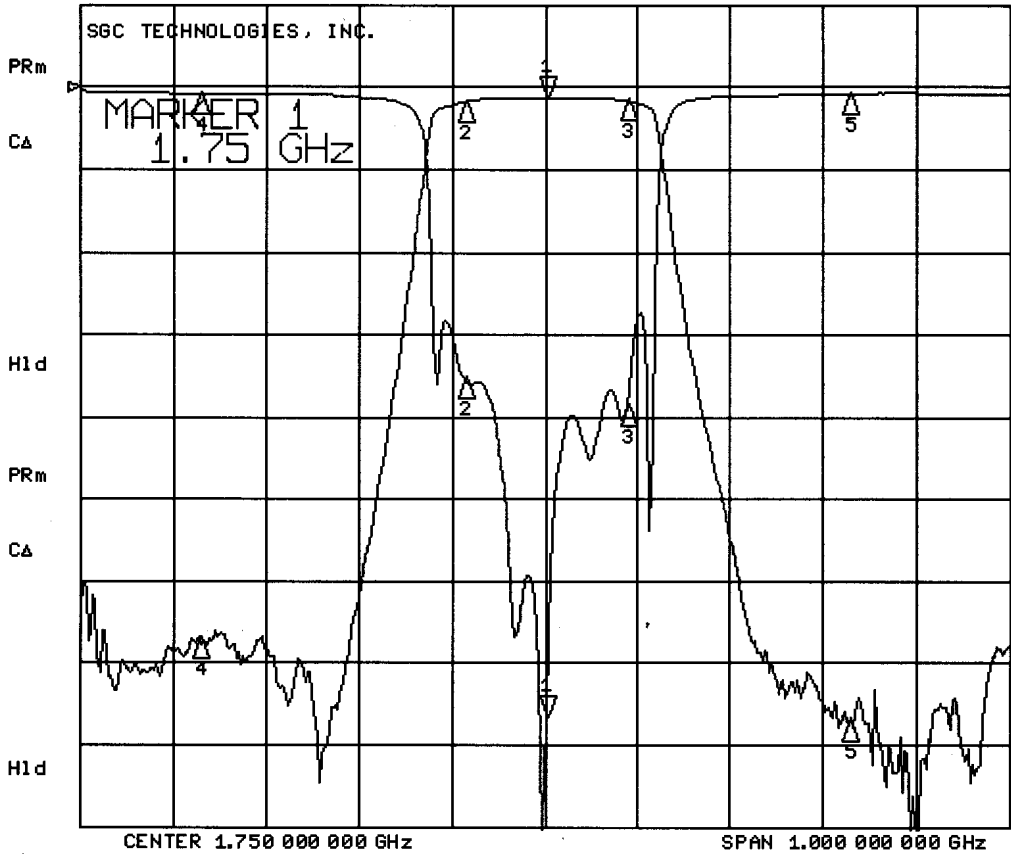
**DIMENSION:**



UNIT: mm  
TOLERANCE : +/-0.3

# SBP-8R6-1750BP185C

CH1 S11 LOG 5 dB/REF 0 dB 1:-38.329 dB 1.750 000 000 GHz  
CH2 S21 LOG 10 dB/REF 0 dB 1:-1.2140 dB



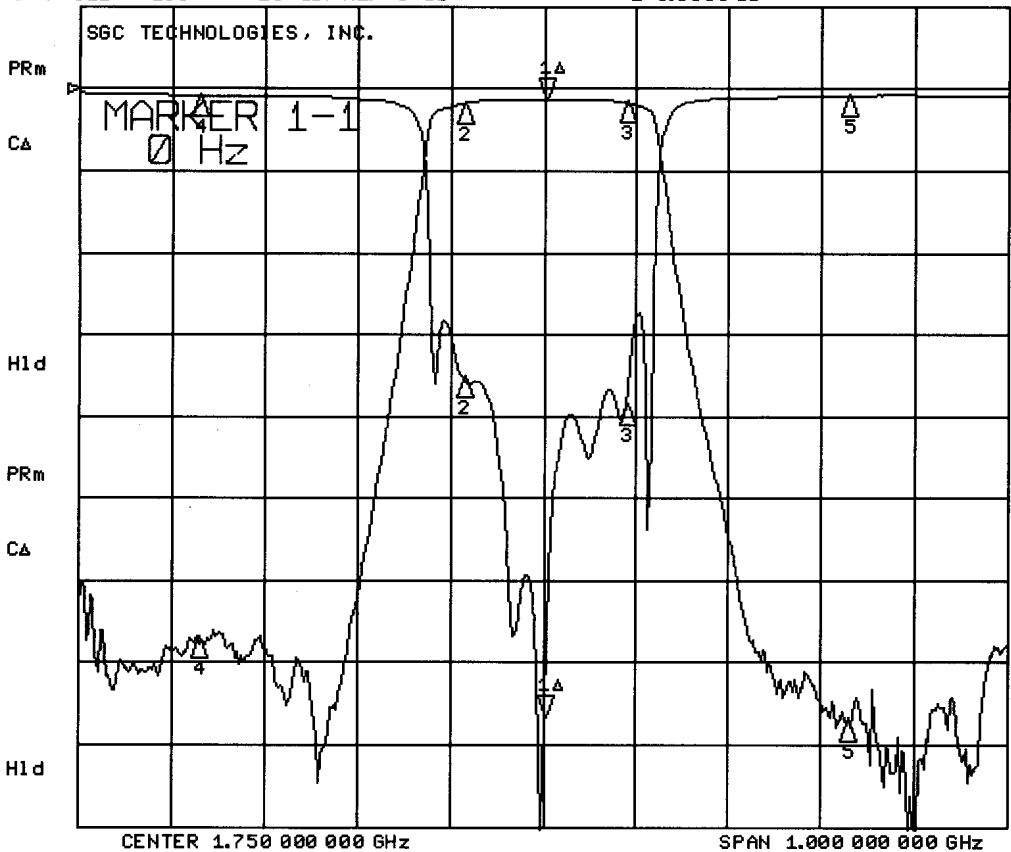
## CH1 Markers

2:-17.679 dB  
1.66250 GHz  
3:-19.375 dB  
1.83750 GHz  
4:-39.400 dB  
1.37800 GHz  
5:-44.800 dB  
2.07800 GHz

## CH2 Markers

2:-1.7650 dB  
1.66250 GHz  
3:-1.6740 dB  
1.83750 GHz  
4:-66.992 dB  
1.37800 GHz  
5:-77.220 dB  
2.07800 GHz

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

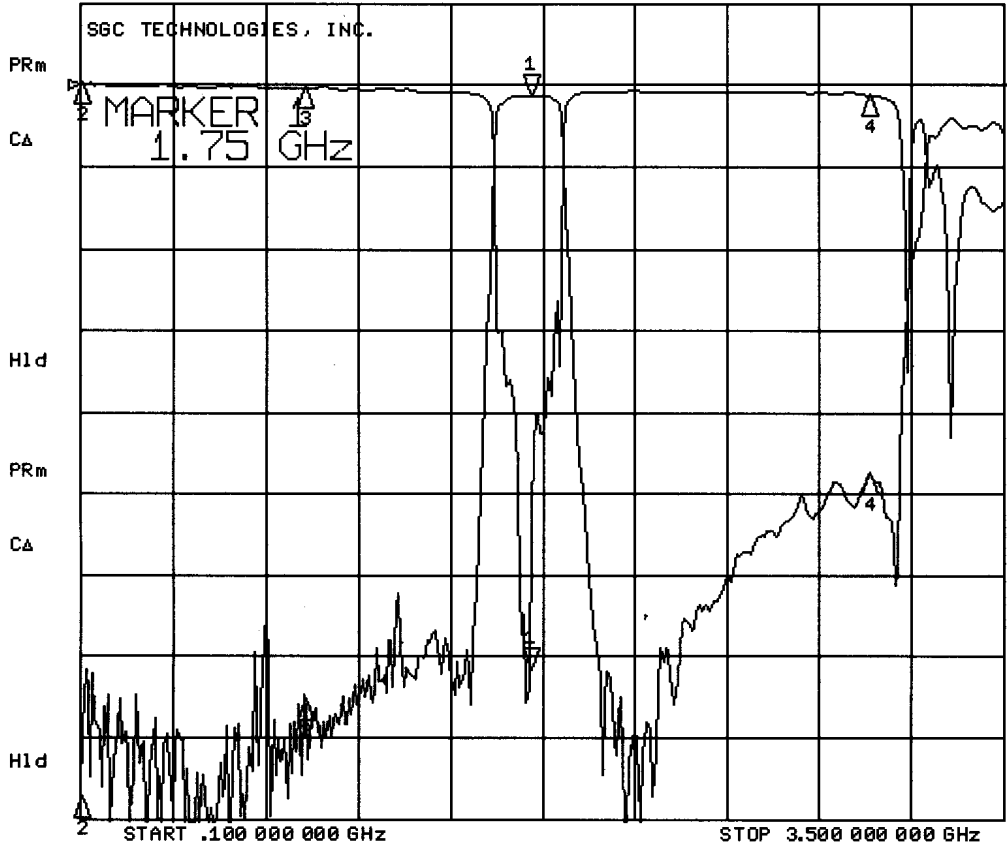
Δ REF=1  
2: 20.650 dB  
-87.5000 MHz  
3: 18.954 dB  
87.5000 MHz  
4: 37.935 dB  
-372.000 MHz  
5: 37.881 dB  
328.000 MHz

## CH2 Markers

2:-.55000 dB  
-87.5000 MHz  
3:-.45900 dB  
87.5000 MHz  
4:-65.777 dB  
-372.000 MHz  
5:-76.005 dB  
328.000 MHz

# SBP-8R6-1750BP185C

CH1 S11 LOG 5 dB/REF 0 dB 1:-35.747 dB 1.750 000 000 GHz  
CH2 S21 LOG 10 dB/REF 0 dB 1:-1.2110 dB



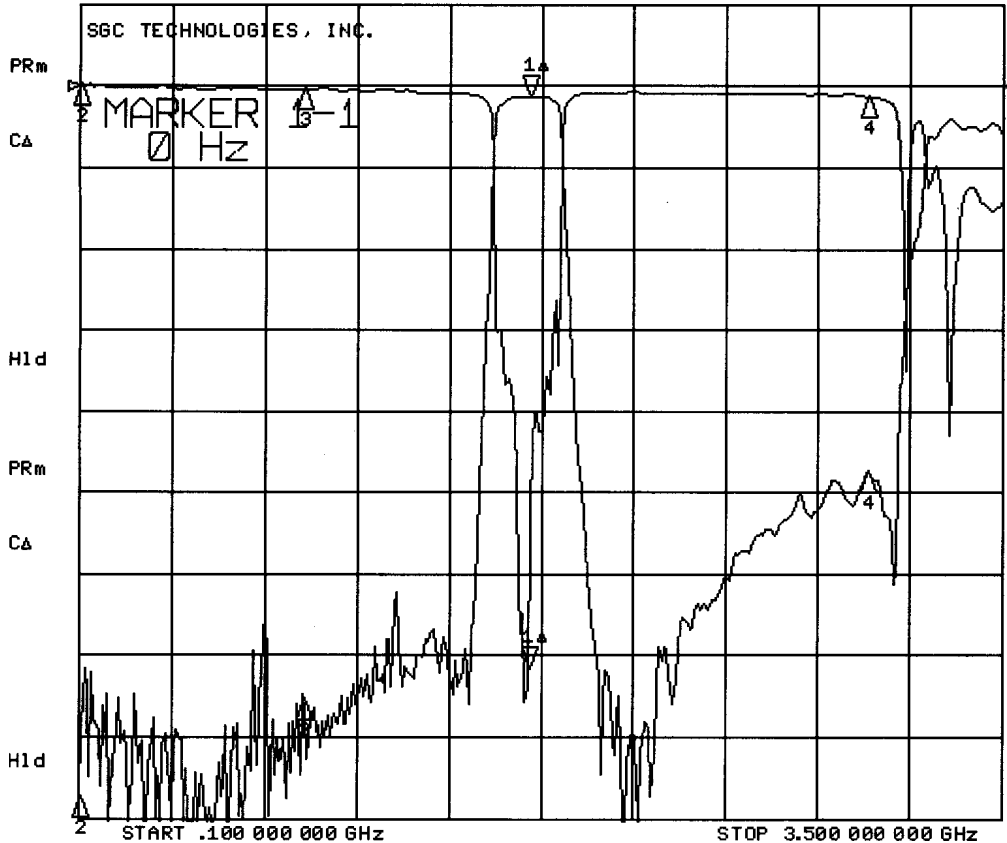
CH1 Markers

2:-.03900 dB  
100.000 MHz  
3:-1.4800 dB  
919.000 MHz  
4:-.61400 dB  
3.00000 GHz

CH2 Markers

2:-87.364 dB  
100.000 MHz  
3:-75.423 dB  
919.000 MHz  
4:-47.559 dB  
3.00000 GHz

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: 35.787 dB  
-1.65000 GHz  
3: 35.598 dB  
-831.000 MHz  
4: 35.133 dB  
1.25000 GHz

CH2 Markers

2:-86.153 dB  
-1.65000 GHz  
3:-74.211 dB  
-831.000 MHz  
4:-46.348 dB  
1.25000 GHz