

# SGC Technologies, Inc.

## PRODUCT SPECIFICATION FOR INFORMATION

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

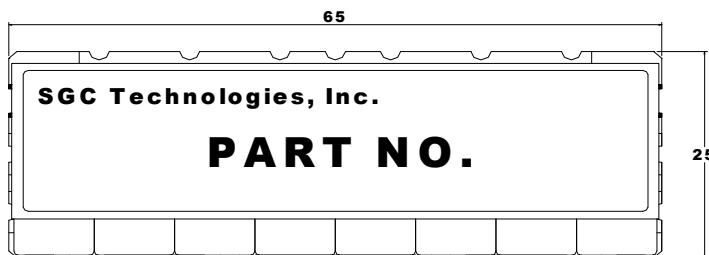
**PART NO: SBP-8R8-1747BP75G**

Center frequency	1747.5MHz
Pole	8
Bandwidth(BW)	Fo ±37.5 MHz
Insertion Loss	5.5 dB max
VSWR in BW	1.5 max
Ripple in BW	3.0 dB max
Attenuation	DC – 1451MHz at 70dB min
	1451MHz – 1678MHz at 52 dB min
	1678MHz – 1690MHz at 35 dB min
	1690MHz – 1702MHz at 10 dB min
	1793MHz – 1805MHz at 10 dB min
	1805MHz – 1880MHz at 35 dB min
In/Out Impedance	50 ohm

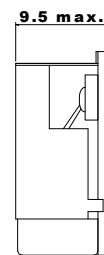
**NOTE: EQUIPMENT used :HP 8753D**

**DIMENSION:**

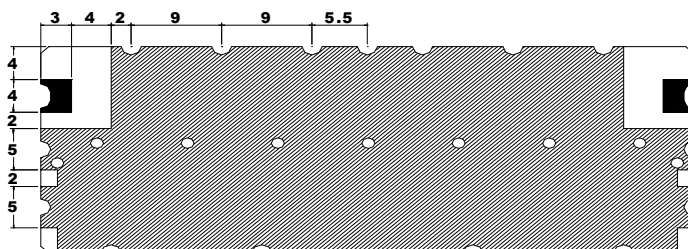
**TOP VIEW**



**SIDE VIEW**



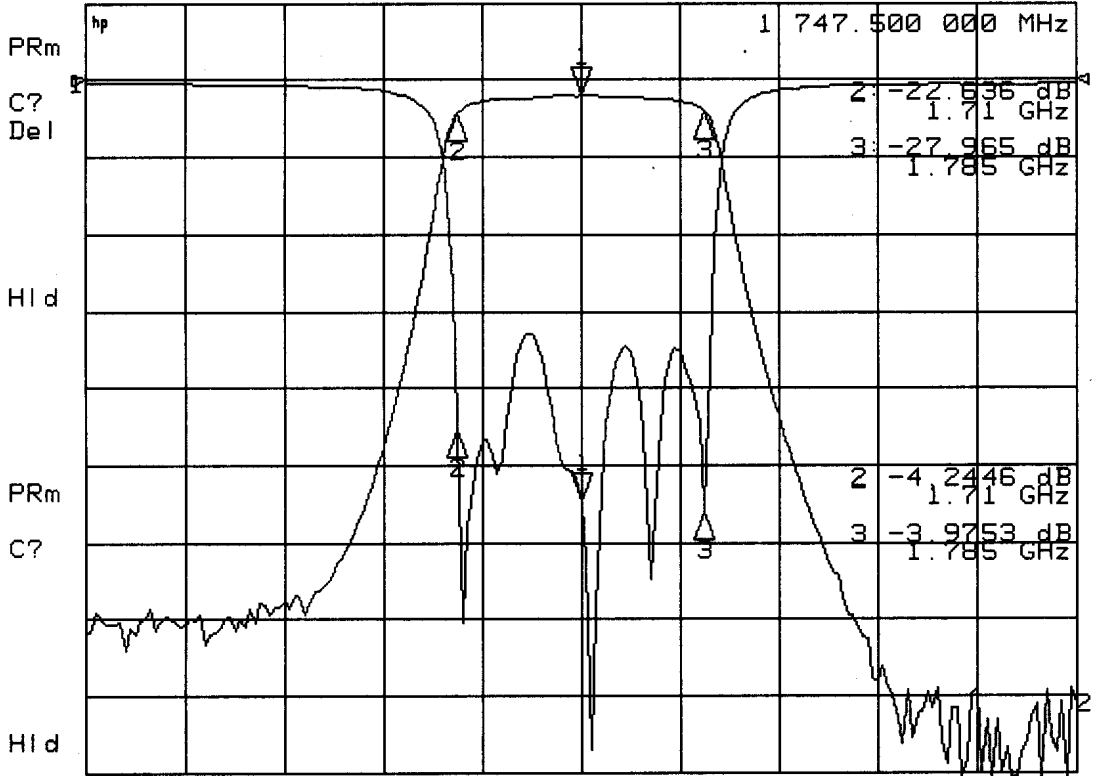
**BOTTOM VIEW**



**TOLERANCE UNLESS OTHERWISE SPECIFIED : ±0.3**  
**DIMENSIONS : mm**

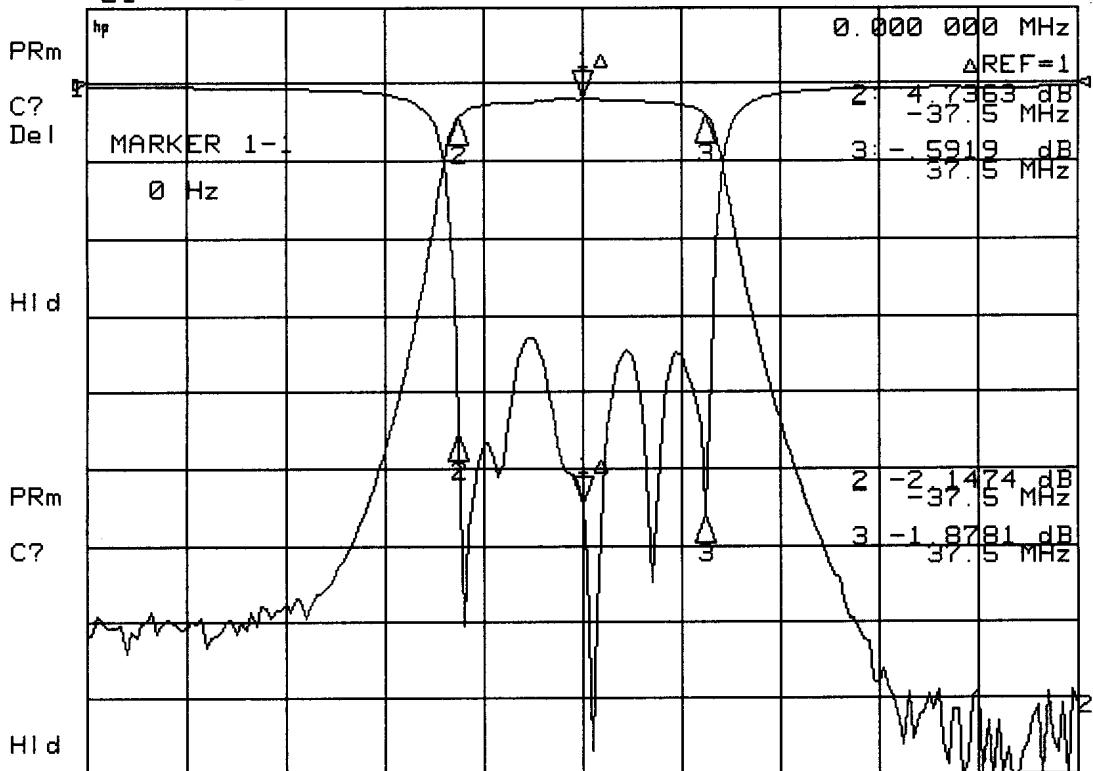
### SBP-8R8-1747BP75G

CH1 S11 log MAG 5 dB/ REF 0 dB 1: -27.373 dB  
 CH2 S21 log MAG 10 dB/ REF 0 dB 1 -2.0971 dB



CENTER 1 747.500 000 MHz      SPAN 300.000 000 MHz

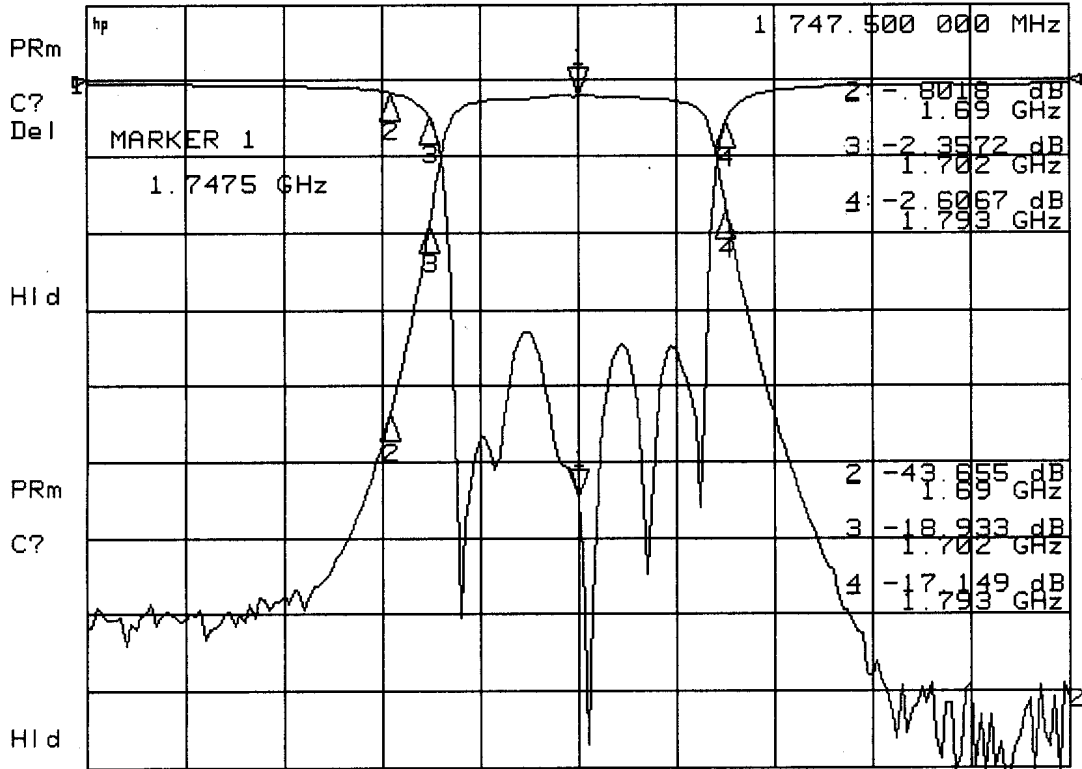
CH1 S11 log MAG 5 dB/ REF 0 dB 1: 0 dB  
 CH2 S21 log MAG 10 dB/ REF 0 dB 1 0 dB



CENTER 1 747.500 000 MHz      SPAN 300.000 000 MHz

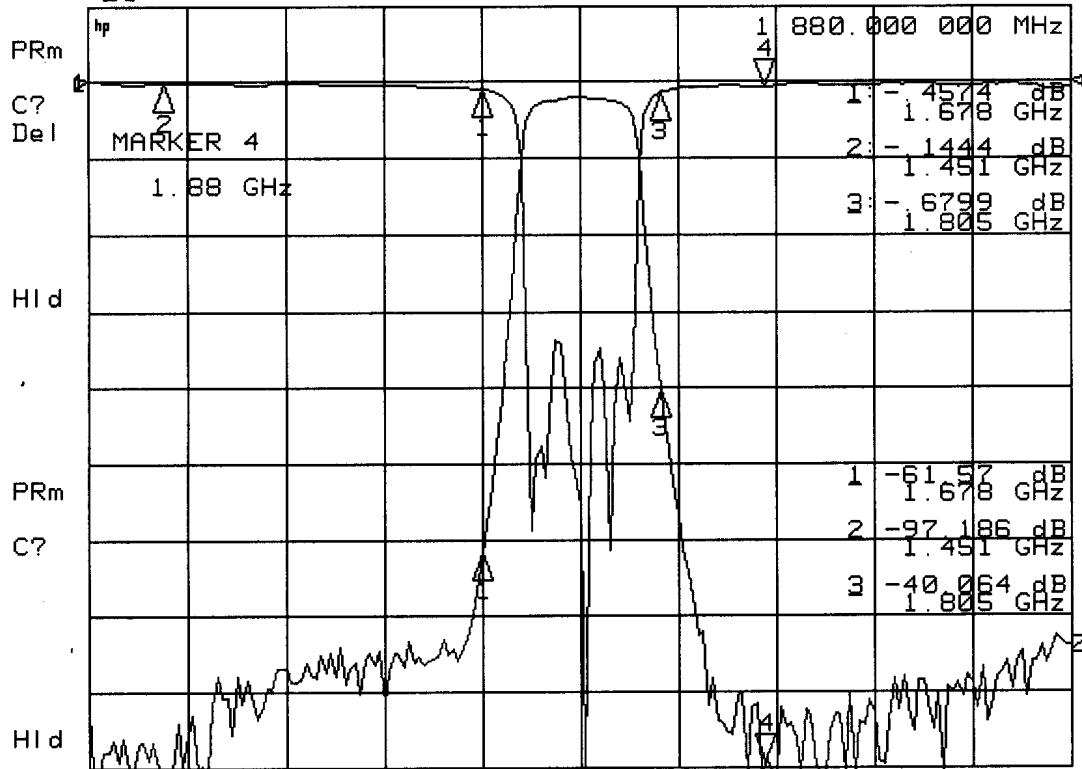
### SBP-8R8-1747BP75G

CH1 S<sub>11</sub> log MAG 5 dB/ REF 0 dB 1: -27.373 dB  
 CH2 S<sub>21</sub> log MAG 10 dB/ REF 0 dB 1: -2.0971 dB



CENTER 1 747.500 000 MHz      SPAN 300.000 000 MHz

CH1 S<sub>11</sub> log MAG 5 dB/ REF 0 dB 4: -34.84 dB  
 CH2 S<sub>21</sub> log MAG 10 dB/ REF 0 dB 4: -90.41 dB



CENTER 1 747.500 000 MHz      SPAN 700.000 000 MHz