

# SGC Technologies, Inc.

## PRODUCT SPECIFICATION FOR INFORMATION

**PRODUCT NAME: SBP-3R6 TYPE**

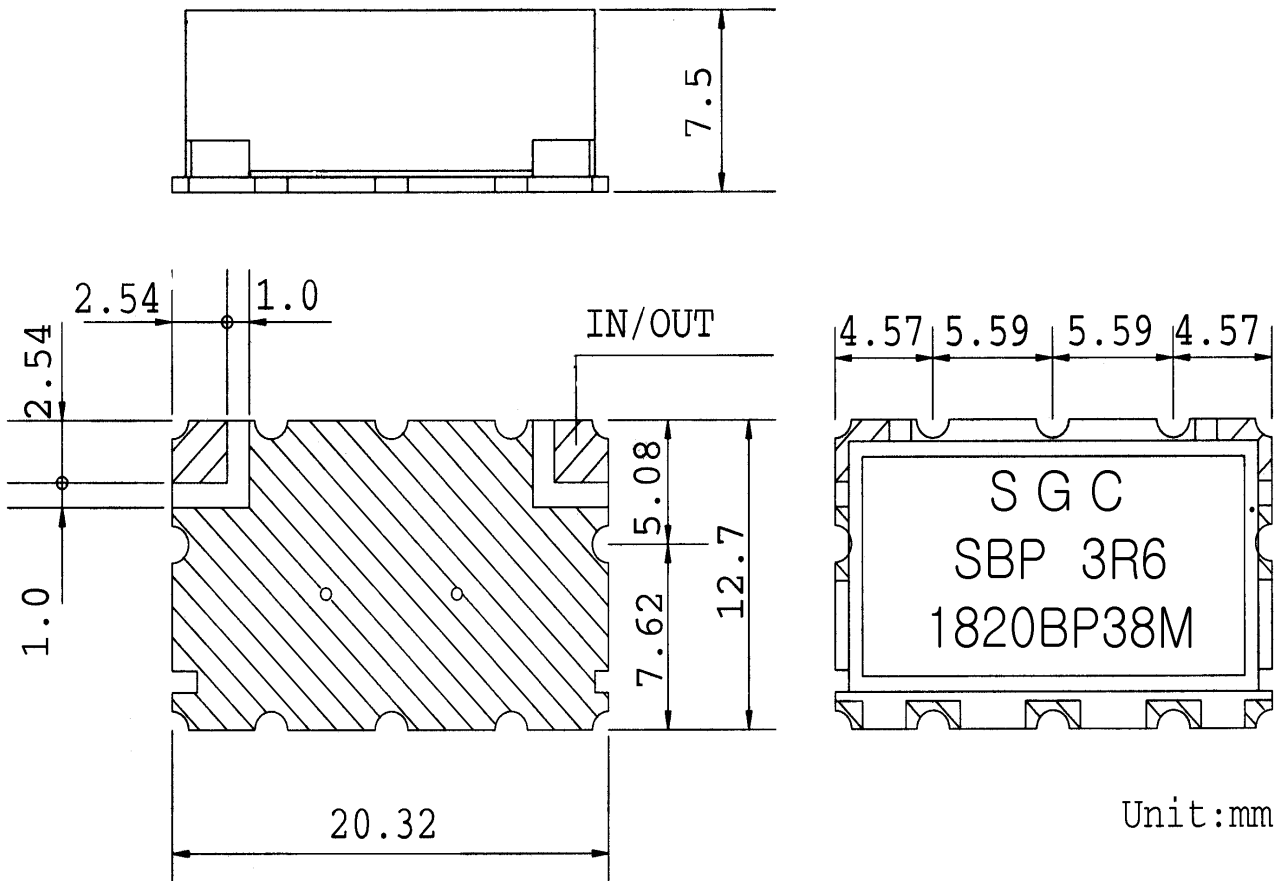
**PART NO: SBP-3R6-1820BP38M**

Center frequency	1820MHz
Pole	3
Bandwidth(BW)	$F_o \pm 19\text{MHz}$
Insertion Loss in BW	2.0 dB max
V.S.W.R	1.5 max
Ripple in BW	0.5 dB max
Attenuation	40 dBc min at $F_o - 150\text{MHz}$
In/Out Impedance	50 ohm

**NOTE:**

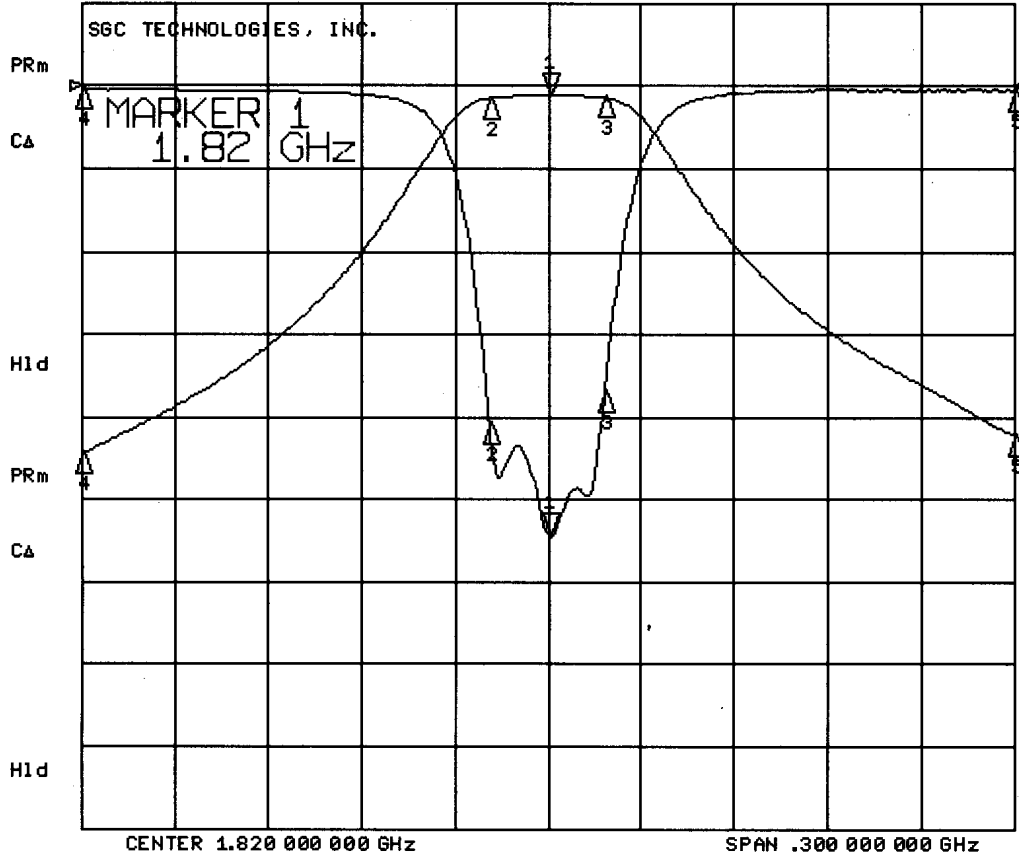
**EQUIPMENT used :HP 8753E**

**DIMENSION:**



# SBP-3R6-1820BP38M

**CH1** S11 LOG 5 dB/REF 0 dB 1:-27.176 dB 1.820 000 000 GHz  
**CH2** S21 LOG 10 dB/REF 0 dB 1:-1.1180 dB



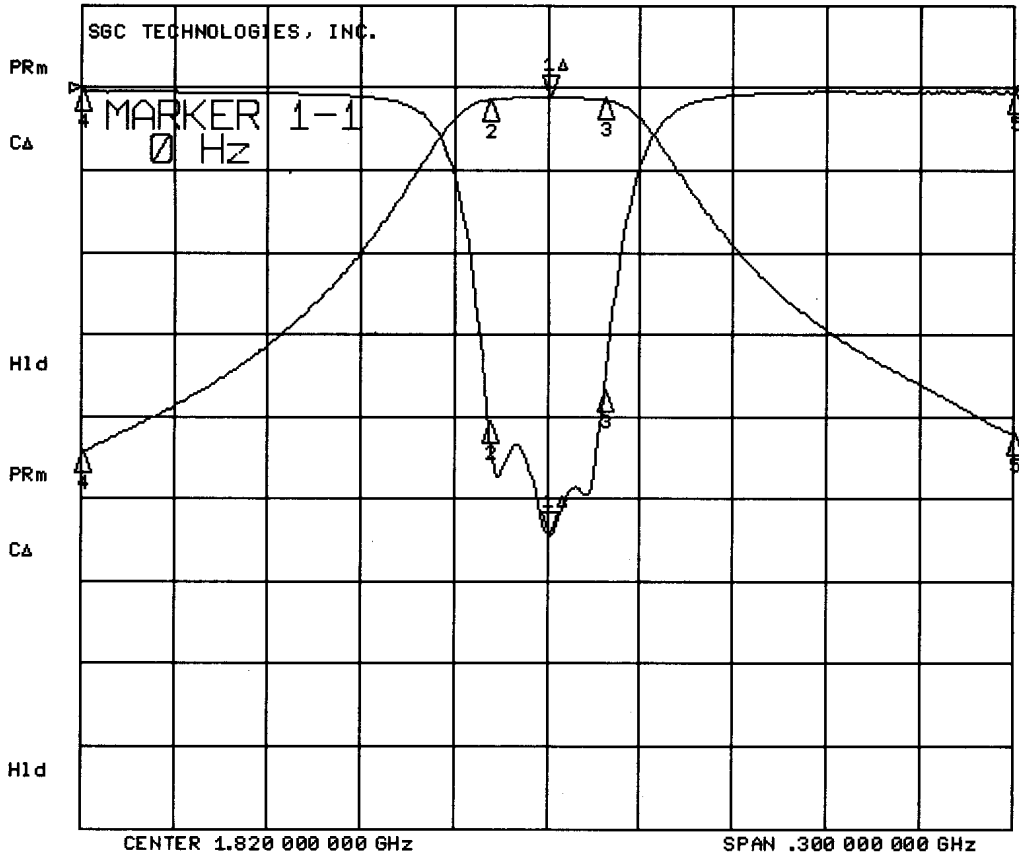
**CH1 Markers**

- 2:-20.451 dB  
1.80100 GHz
- 3:-18.524 dB  
1.83800 GHz
- 4:-25.100 dB  
1.67000 GHz
- 5:-25.900 dB  
1.97000 GHz

**CH2 Markers**

- 2:-1.4420 dB  
1.80100 GHz
- 3:-1.4220 dB  
1.83800 GHz
- 4:-44.340 dB  
1.67000 GHz
- 5:-42.285 dB  
1.97000 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: 6.7240 dB  
-19.0000 MHz
- 3: 8.6510 dB  
18.0000 MHz
- 4: 26.924 dB  
-150.000 MHz
- 5: 26.916 dB  
150.000 MHz

**CH2 Markers**

- 2:-32.400 dB  
-19.0000 MHz
- 3:-30.400 dB  
18.0000 MHz
- 4:-43.222 dB  
-150.000 MHz
- 5:-41.167 dB  
150.000 MHz