

# SGC Technologies, Inc.

## PRODUCT SPECIFICATION FOR INFORMATION

PRODUCT NAME: SBP-TYPE

PART NO: SBP-4R3-1850BP20A

Parameter	Specification
Center frequency	1850MHz
Bandwidth(BW)	$F_0 \pm 10\text{MHz}$
Insertion Loss In BW	3.0dB max
Ripple in BW	0.3dB max
VSWR in BW	1.5 max
Attenuation	30dB min FO-62.5 MHz
Input Power	3W
In/Out Impedance	50 ohm

NOTE:EQUIPMENT used :HP 8753E

DIMENSION:

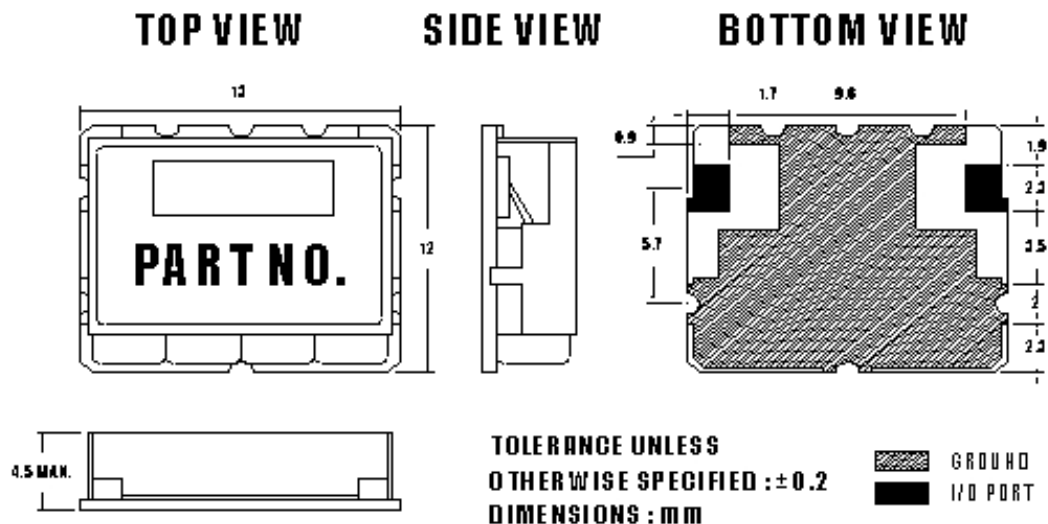
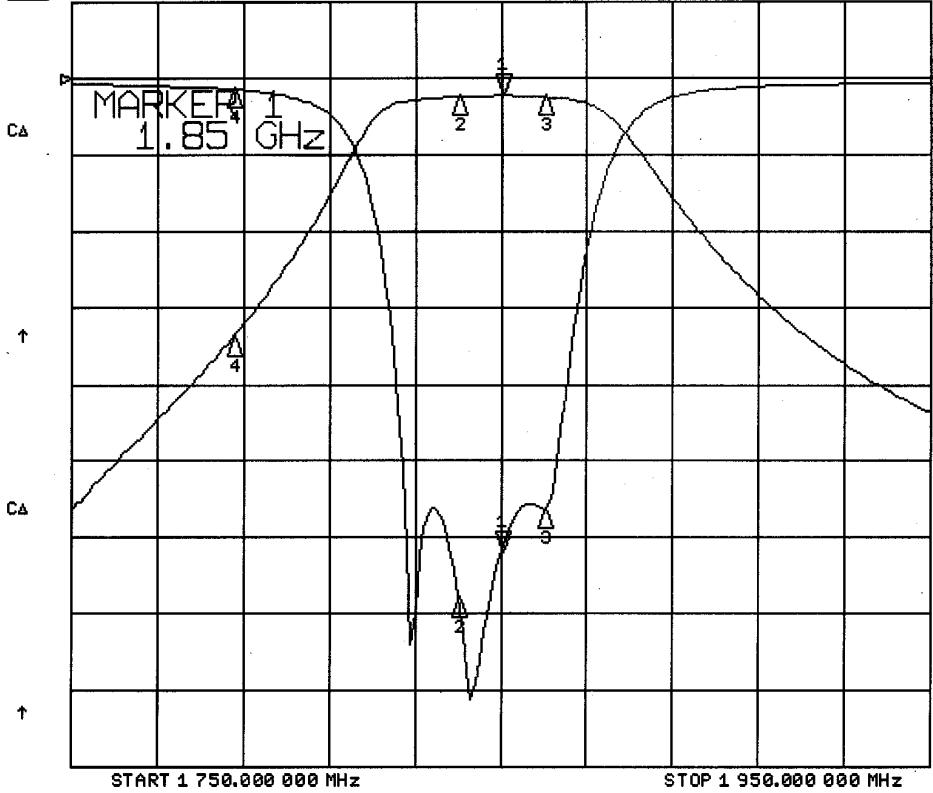


Diagram A

SBP-4R3-1850BP20A

22 Nov 2005 17:15:12

CH1 S11 LOG 5 dB/REF 0 dB 1:-30.953 dB  
 CH2 S21 LOG 10 dB/REF 0 dB 1:-2.1899 dB 1 850.000 000 MHz

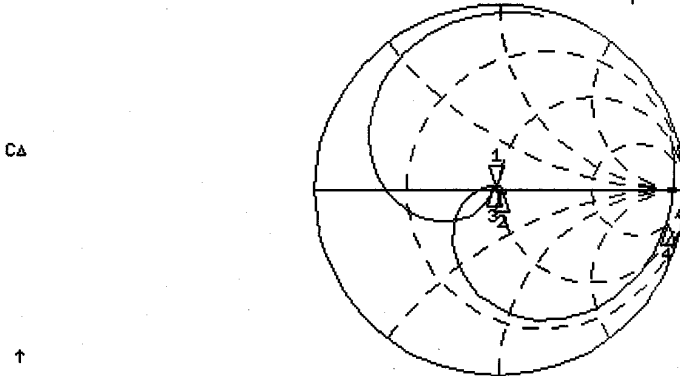


CH1 Markers  
 2: -33.982 dB  
 1.84000 GHz  
 3: -28.217 dB  
 1.86000 GHz  
 4: -69.550 dB  
 1.78750 GHz

CH2 Markers  
 2: -2.3038 dB  
 1.84000 GHz  
 3: -2.3581 dB  
 1.86000 GHz  
 4: -33.711 dB  
 1.78750 GHz

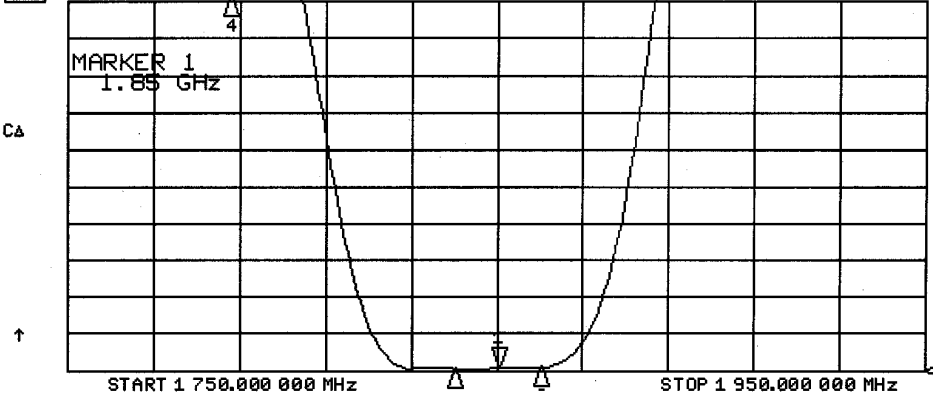
22 Nov 2005 17:15:21

CH1 S11 1 U FS 1: 47.621  $\Omega$  1.4746  $\Omega$  126.86 pH 1 850.000 000 MHz



CH1 Markers  
 2: 50.602  $\Omega$   
 -1.9590  $\Omega$   
 1.84000 GHz  
 3: 46.230  $\Omega$   
 0.5449  $\Omega$   
 1.86000 GHz  
 4: 146.73  $\Omega$   
 -388.59  $\Omega$   
 1.78750 GHz

CH2 S11 SWR 1 / REF 1 1: 1.0590 1 850.000 000 MHz



CH2 Markers  
 2: 1.0416  
 1.84000 GHz  
 3: 1.0823  
 1.86000 GHz  
 4: 23.819  
 1.78750 GHz