

SGC Technologies, Inc.

PRODUCT SPECIFICATION FOR INFORMATION

PRODUCT NAME: SBP-8R8 TYPE

PART NO: SBP-8R8-997BP27M

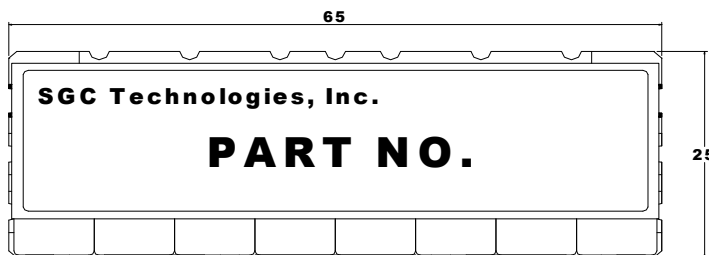
Center frequency	997.5MHz
Pole	8
Band width (BW)	$F_0 \pm 13.5\text{MHz}$
Insertion Loss	4.0 Db max
VSWR in BW	1.5 max
Ripple in BW	1.0 dB max
Attenuation	45 dBc min @ 959 & 1028MHz 65 dBc min @ 686 & 1309MHz
In/Out Impedance	50 ohm

NOTE:

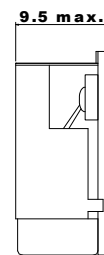
EQUIPMENT used :HP 8753E

DIMENSION:

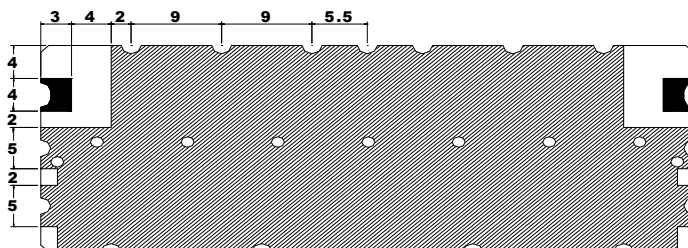
TOP VIEW



SIDE VIEW



BOTTOM VIEW

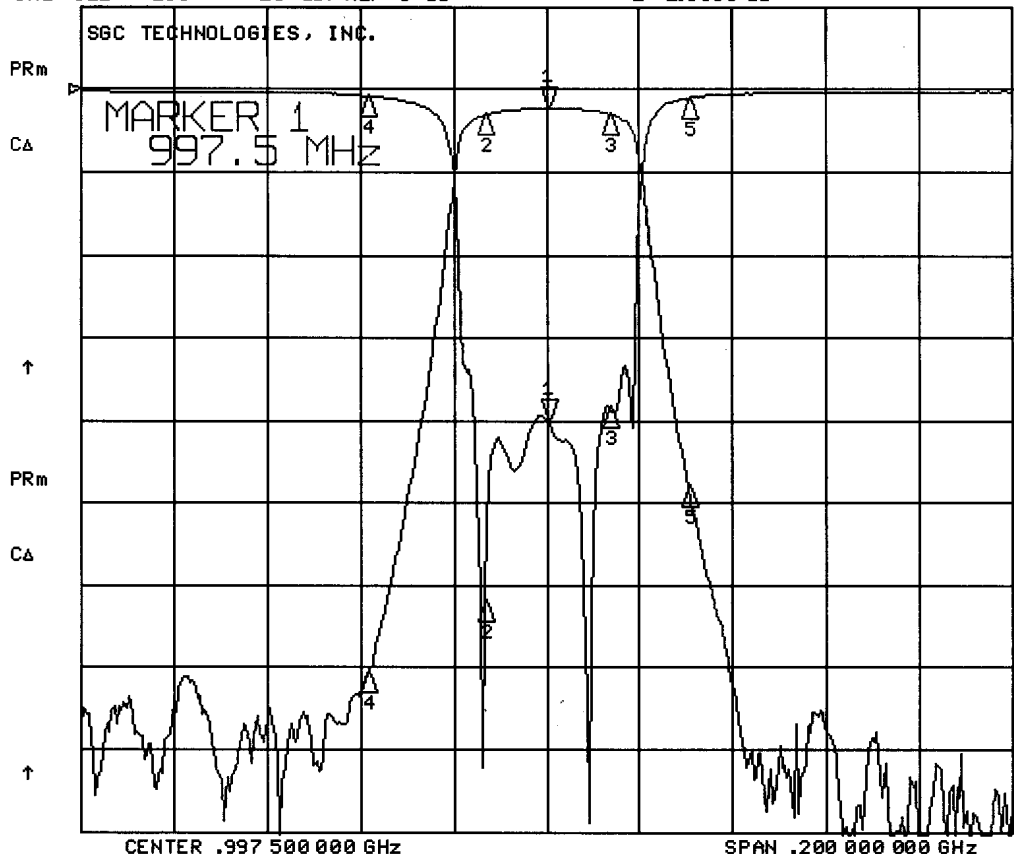


TOLERANCE UNLESS OTHERWISE SPECIFIED : ±0.3
DIMENSIONS : mm

 **GROUND**
 **I/O PORT**

SBP-8R8-997BP27M

CH1 S11 LOG 5 dB/REF 0 dB 1:-19.970 dB .997 500 000 GHz
CH2 S21 LOG 10 dB/REF 0 dB 1:-2.3530 dB



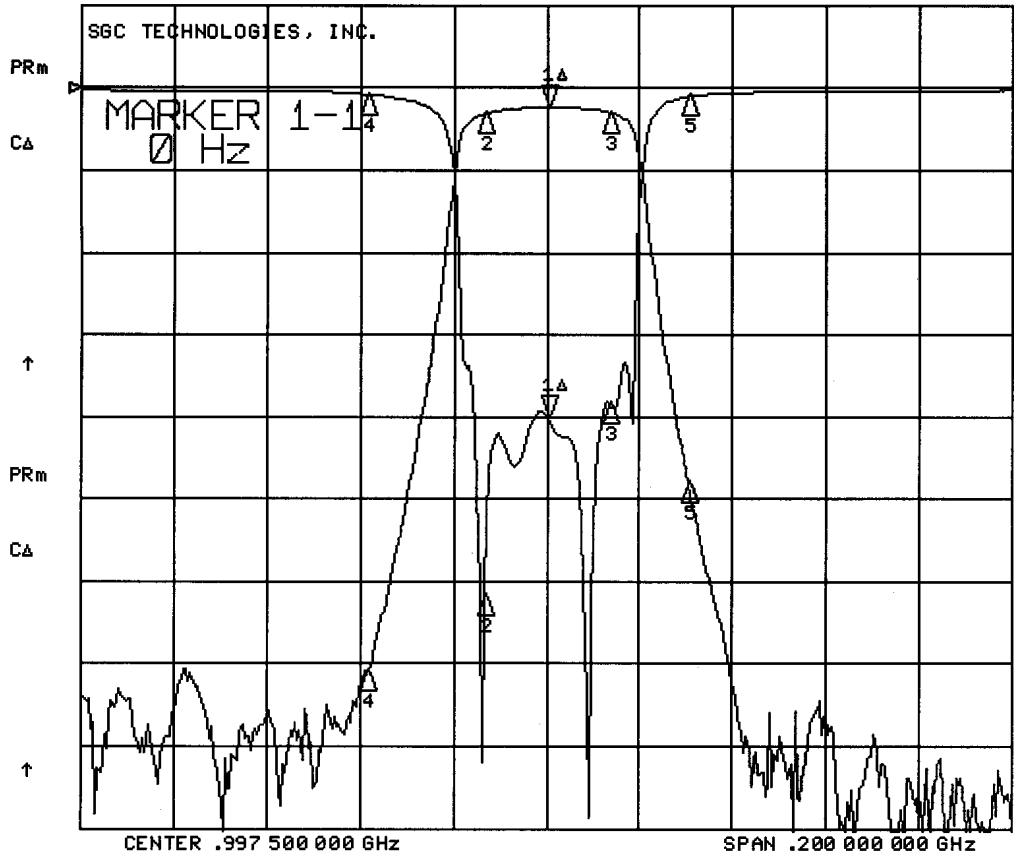
CH1 Markers

- 2:-30.924 dB
984.000 MHz
- 3:-19.154 dB
1.01100 GHz
- 4:-39.300 dB
959.000 MHz
- 5:-49.900 dB
1.02800 GHz

CH2 Markers

- 2:-3.0920 dB
984.000 MHz
- 3:-2.8970 dB
1.01100 GHz
- 4:-70.714 dB
959.000 MHz
- 5:-47.983 dB
1.02800 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:-10.875 dB
-13.5000 MHz
- 3: 8.0600 dB
13.5000 MHz
- 4: 19.582 dB
-38.5000 MHz
- 5: 19.482 dB
30.5000 MHz

CH2 Markers

- 2:-7.2300 dB
-13.5000 MHz
- 3:-5.4600 dB
13.5000 MHz
- 4:-68.440 dB
-38.5000 MHz
- 5:-45.678 dB
30.5000 MHz