

SGC Technologies, Inc.

PRODUCT SPECIFICATION FOR INFORMATION

PRODUCT NAME: SBP-4R4 TYPE

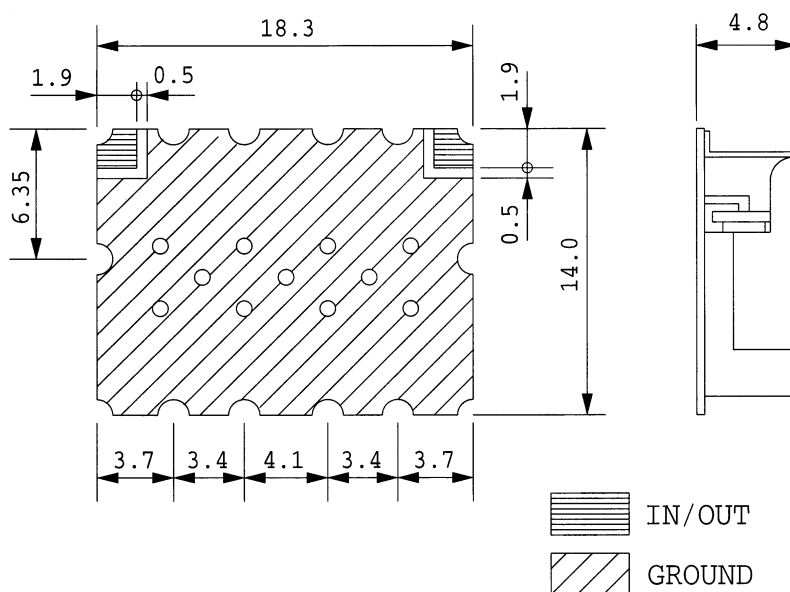
PART NO: SBP-4R4-2440BP80C

Center frequency	2440MHz
Pole	4
Bandwidth(BW)	$F_o \pm 40\text{MHz}$
Insertion Loss	3.0 dB max
VSWR in BW	1.5 max
Ripple in BW	1.0 dB max
Attenuation	45dBc min at DC ~ 2000 MHz
	50dBc min at 2760 MHz
	60dBc min at 2120 MHz
	45dBc min at 3000 MHz
	30dBc min at 3300 MHz
In/Out Impedance	50 ohm

NOTE:

EQUIPMENT used :HP 8753E

DIMENSION:

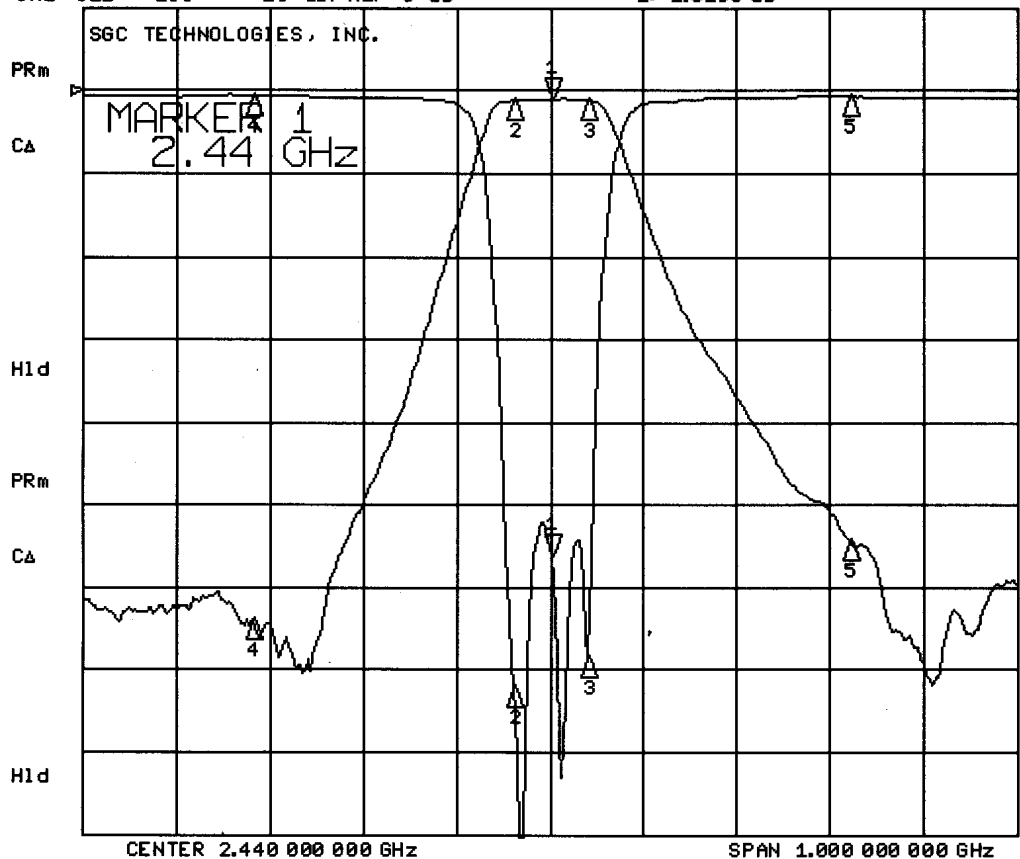


Unit:mm

Tolerance Unless Specified : +/− 0.3

SBP-4R4-2440BP80C

CH1 S11 LOG 5 dB/REF 0 dB 1:-28.069 dB 2.440 000 000 GHz
CH2 S21 LOG 10 dB/REF 0 dB 1:-1.0290 dB



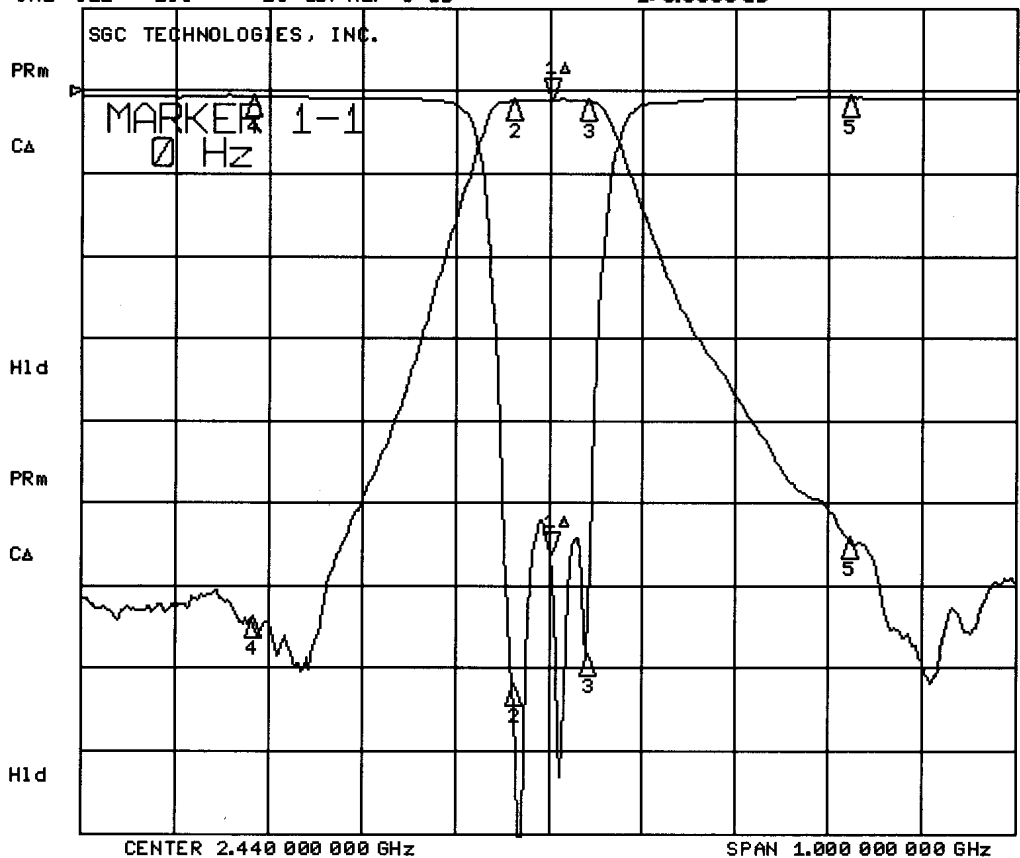
CH1 Markers

2:-36.012 dB
2.40000 GHz
3:-34.185 dB
2.48000 GHz
4:-29.600 dB
2.12000 GHz
5:-33.000 dB
2.76000 GHz

CH2 Markers

2:-1.1650 dB
2.40000 GHz
3:-1.1540 dB
2.48000 GHz
4:-63.960 dB
2.12000 GHz
5:-54.269 dB
2.76000 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

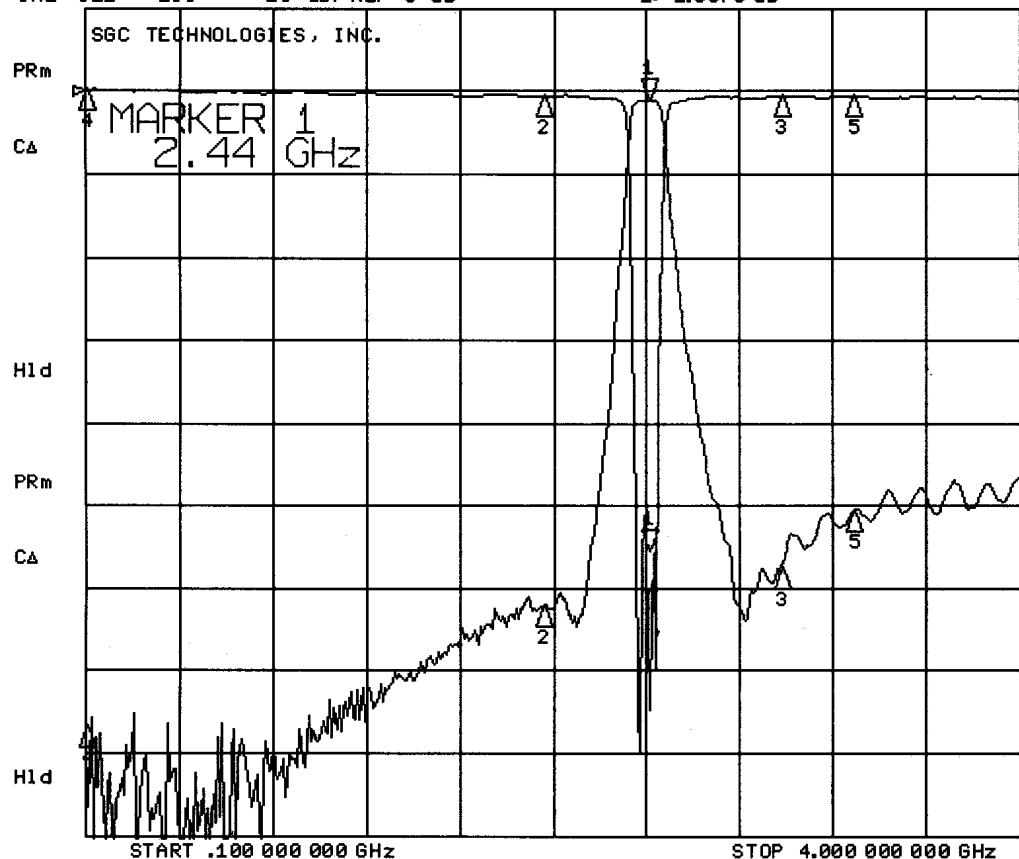
ΔREF=1
2:-7.9430 dB
-40.0000 MHz
3:-6.1160 dB
40.0000 MHz
4: 27.773 dB
-320.000 MHz
5: 27.738 dB
320.000 MHz

CH2 Markers

2:-1.3500 dB
-40.0000 MHz
3:-1.2400 dB
40.0000 MHz
4:-62.930 dB
-320.000 MHz
5:-53.239 dB
320.000 MHz

SBP-4R4-2440BP80C

CH1 S11 LOG 5 dB/REF 0 dB 1:-27.765 dB 2.440 000 000 GHz
CH2 S21 LOG 10 dB/REF 0 dB 1:-1.0670 dB



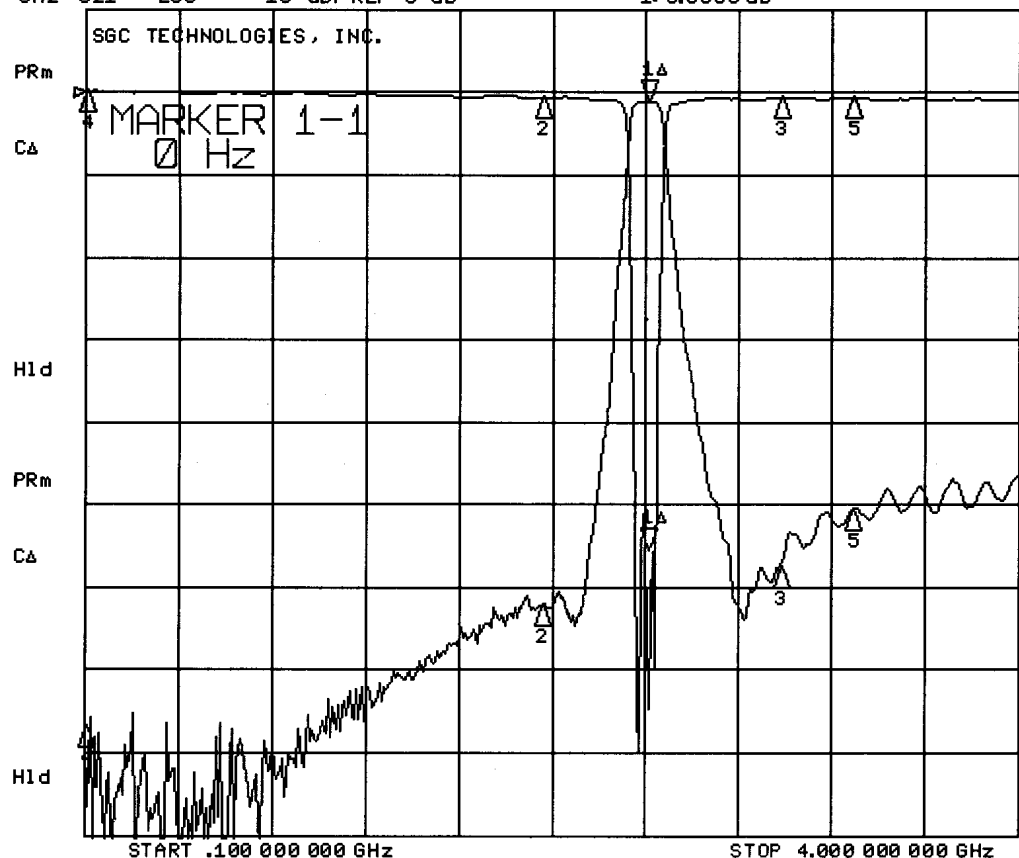
CH1 Markers

2:-29600 dB
2.00000 GHz
3:-30000 dB
3.00000 GHz
4:-07800 dB
100.000 MHz
5:-30700 dB
3.30000 GHz

CH2 Markers

2:-62.246 dB
2.00000 GHz
3:-57.531 dB
3.00000 GHz
4:-76.839 dB
100.000 MHz
5:-50.651 dB
3.30000 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: 27.469 dB
-440.000 MHz
3: 27.465 dB
560.000 MHz
4: 27.843 dB
-2.34000 GHz
5: 27.458 dB
860.000 MHz

CH2 Markers

2:-61.179 dB
-440.000 MHz
3:-56.463 dB
560.000 MHz
4:-75.772 dB
-2.34000 GHz
5:-49.583 dB
860.000 MHz