

# SGC Technologies, Inc.

## PRODUCT SPECIFICATION FOR INFORMATION

CUSTOMER :

PRODUCT NAME : BPF TYPE

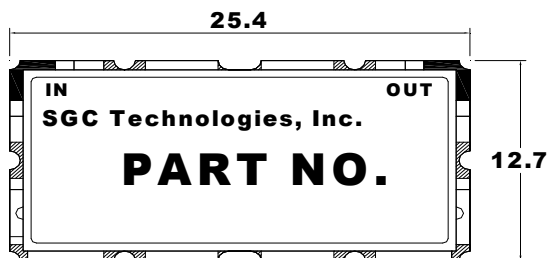
PART NO : SLB-405-BP50MD

| ITEM             | SPEC.                                 |
|------------------|---------------------------------------|
| Center frequency | 405 MHz                               |
| Bandwidth        | 50 MHz                                |
| Insertion loss   | 2.5 dB max.                           |
| Ripple           | 1.0 dB max.                           |
| V.S.W.R.         | 1.4 : 1                               |
| Attenuation      | 30 dB @ 73 MHz<br>30 dB @ 526~576 MHz |
| In/Out Impedance | 50 ohm                                |

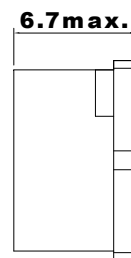
NOTE : EQUIPMENT used HP 8753E

### DIMENSION

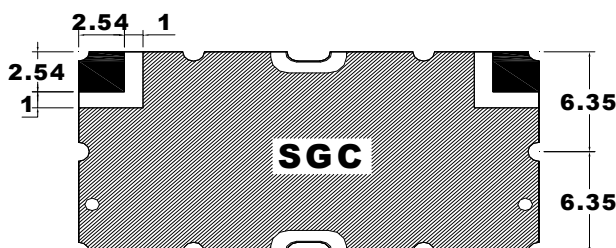
#### TOP VIEW



#### SIDE VIEW



#### BOTTOM VIEW



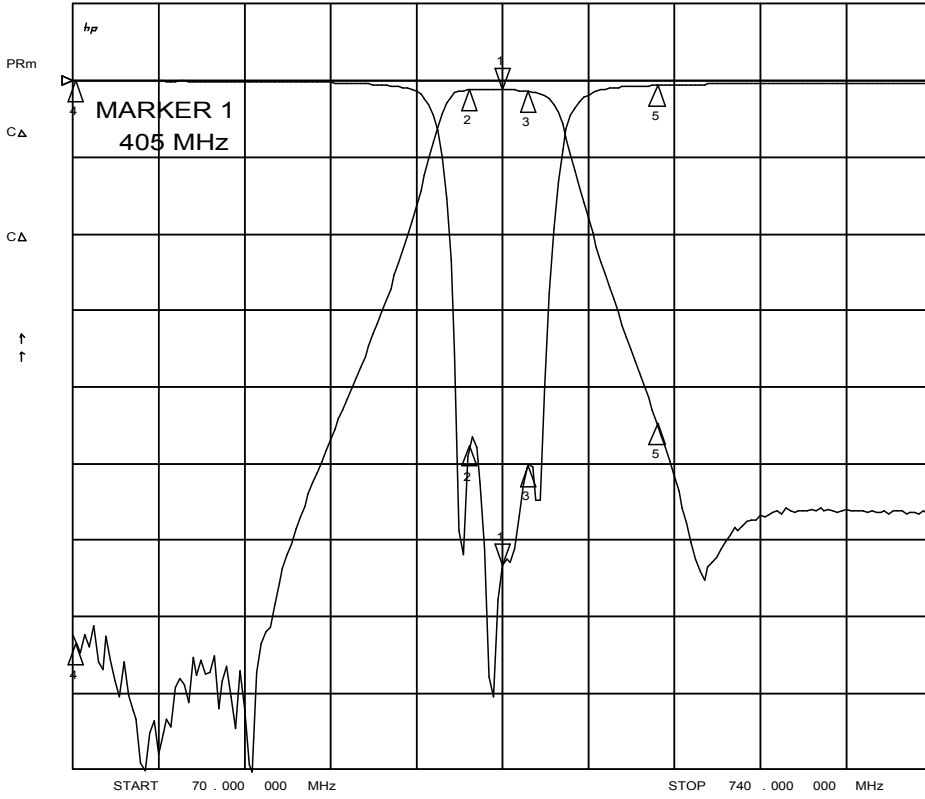
TOLERANCE UNLESS  
OTHERWISE SPECIFIED :  $\pm 0.3$   
DIMENSIONS : mm

 GROUND  
 I/O PORT

# SLB-405-BP50MD

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CH1 S11 LOG 5 dB/ REF 0 dB 1: -31.622 dB 405.000 000 MHz  
 CH3 S21 LOG 10 dB/ REF 0 dB 1: -1.1959 dB



CH1 Markers

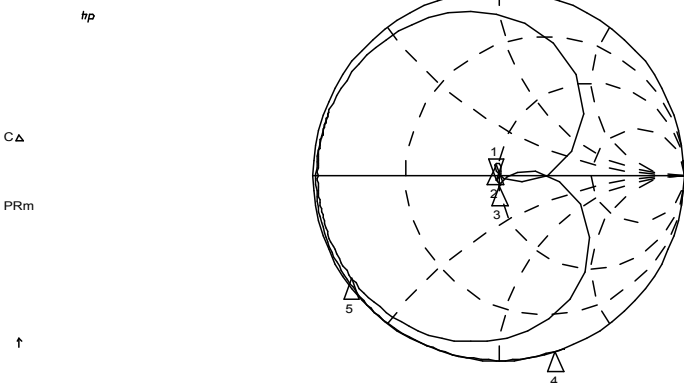
|   |           |     |
|---|-----------|-----|
| 2 | : -23.838 | dB  |
|   | 380.000   | MHz |
| 3 | : -25.117 | dB  |
|   | 425.000   | MHz |
| 4 | : -.01790 | dB  |
|   | 73.0000   | MHz |
| 5 | : -.30360 | dB  |
|   | 526.000   | MHz |

CH3 Markers

|   |           |     |
|---|-----------|-----|
| 2 | : -1.2560 | dB  |
|   | 380.000   | MHz |
| 3 | : -1.4604 | dB  |
|   | 425.000   | MHz |
| 4 | : -73.559 | dB  |
|   | 73.0000   | MHz |
| 5 | : -44.729 | dB  |
|   | 526.000   | MHz |

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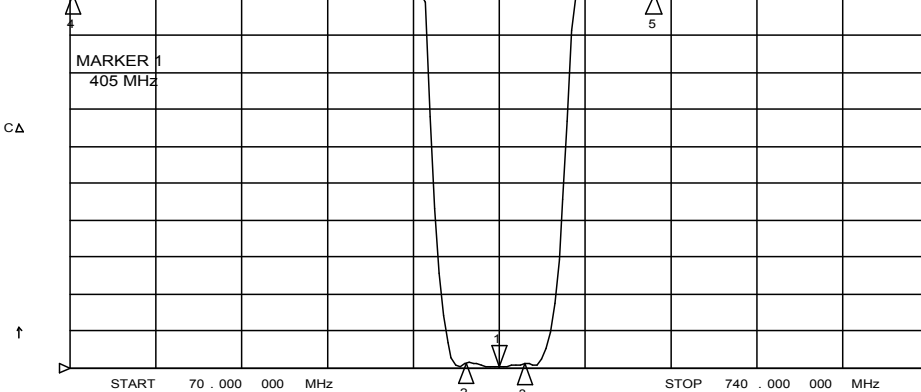
CH1 S11 1 UFS 1: 48.531  $\Omega$  -2.1133  $\Omega$  185.96 pF 405.000 000 MHz



CH1 Markers

|   |          |            |
|---|----------|------------|
| 2 | : 48.133 | $\Omega$   |
|   | 6.0430   | $\Omega$   |
|   | 380.000  | MHz        |
| 3 | : 50.484 | $\Omega$   |
|   | -5.5215  | $\Omega$   |
|   | 425.000  | MHz        |
| 4 | : 0.1875 | $\Omega$   |
|   | -68.805  | $\Omega$   |
|   | 73.0000  | MHz        |
| 5 | : 942.87 | m $\Omega$ |
|   | -15.778  | $\Omega$   |
|   | 526.000  | MHz        |

CH3 S11 SWR 1 / REF 1 1: 1.0536 405.000 000 MHz



CH3 Markers

|   |          |     |
|---|----------|-----|
| 2 | : 1.1383 |     |
|   | 380.000  | MHz |
| 3 | : 1.1166 |     |
|   | 425.000  | MHz |
| 4 | : 806.95 |     |
|   | 73.0000  | MHz |
| 5 | : 58.273 |     |
|   | 526.000  | MHz |