

# SGC Technologies, Inc.

## PRODUCT SPECIFICATION FOR INFORMATION

PRODUCT NAME: SLB- TYPE

PART NO: SLB-46-BP15MD

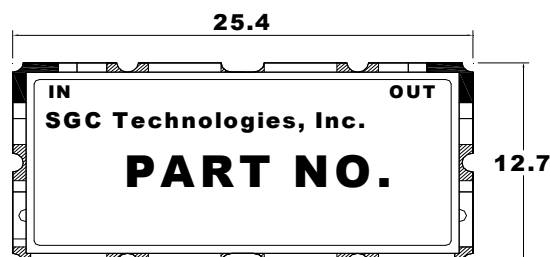
ITEM	SPEC.
Center frequency	46MHz
Bandwidth	15MHz
Insertion loss	2.0dB max.
Ripple	1.0dB max.
VSWR	1.4 : 1
Attenuation	35 dB @ 23MHz 25 dB @ 69MHz 60 dB @ 200MHz 40 dB @ 2.2GHz

NOTE:

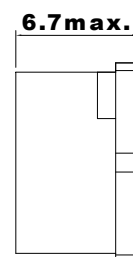
EQUIPMENT used :HP 8753E

DIMENSION:

### TOP VIEW



### SIDE VIEW



### BOTTOM VIEW

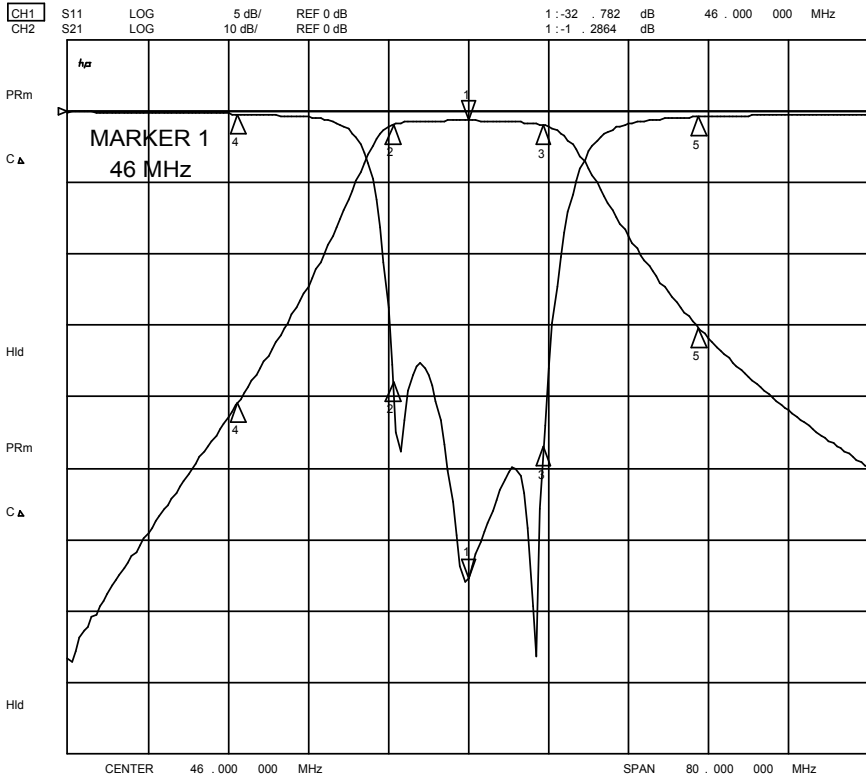


TOLERANCE UNLESS  
OTHERWISE SPECIFIED :  $\pm 0.3$   
DIMENSIONS : mm

 GROUND  
 I/O PORT

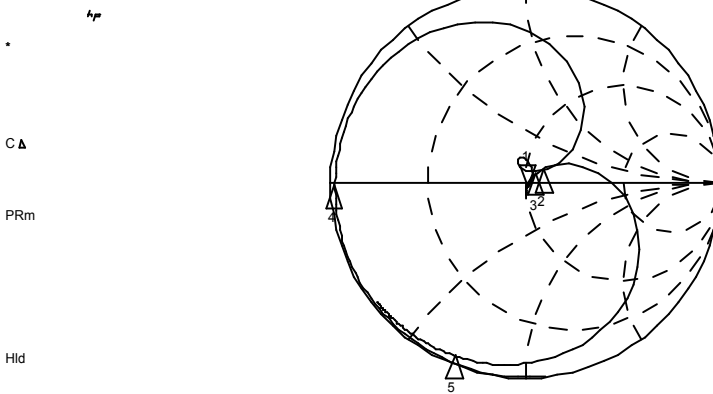
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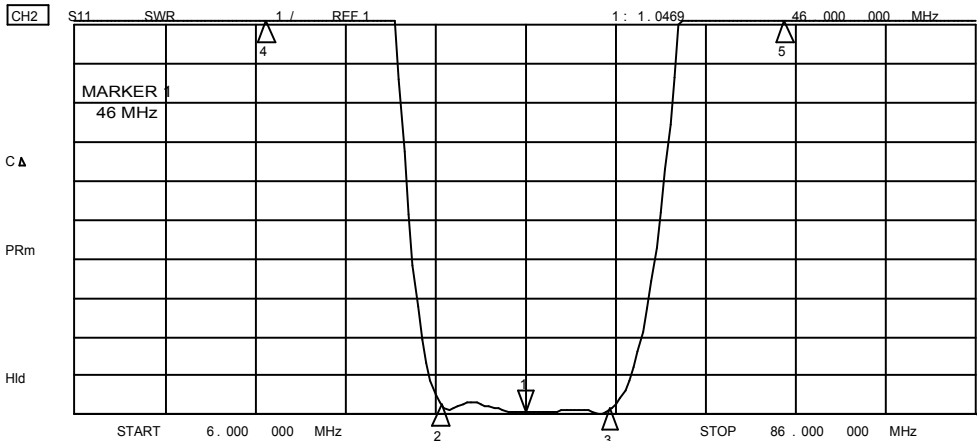
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CH1 S11 1 UFS 1: 51.426 Ω -1.8438 Ω 1.8766 nF 46.000 000 MHz



CH1 Markers

2	59.889	Ω
7	8711	Ω
38	5000	MHz
3	55.187	Ω
5	1387	Ω
53	5000	MHz
4	541.75	mΩ
	-371.06	mΩ
23	0000	MHz
5	1.5547	Ω
	-33.486	Ω
69	0000	MHz



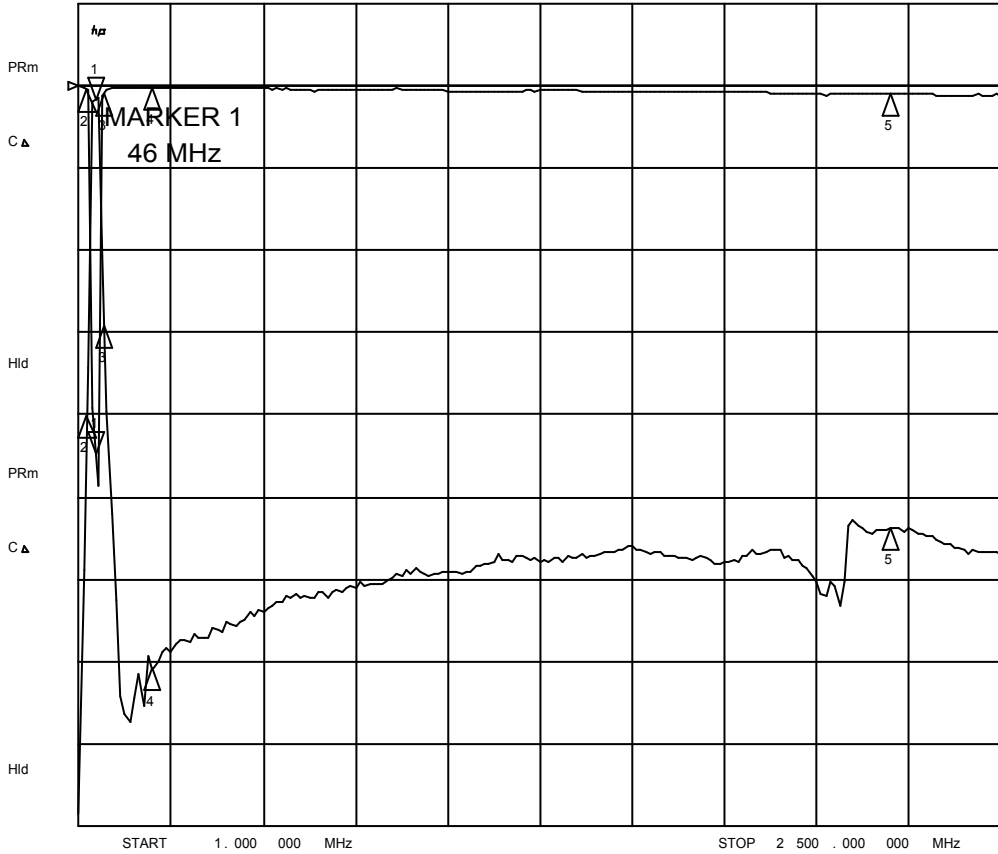
CH2 Markers

2	1.2625	MHz
38	5000	MHz
3	1.1497	MHz
53	5000	MHz
4	92.750	MHz
23	0000	MHz
5	46.625	MHz
69	0000	MHz

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CH1 S11 LOG 5 dB/ REF 0 dB 1:-22 .404 dB 46 .000 000 MHz  
 CH2 S21 LOG 10 dB/ REF 0 dB 1:-1 .6863 dB



## CH1 Markers

- 2 :- .20680 dB  
23 .0000 MHz
- 3 :- .45960 dB  
69 .0000 MHz
- 4 :- .09440 dB  
200 .000 MHz
- 5 :- .41610 dB  
2 .20000 GHz

## CH2 Markers

- 2 :-40 .100 dB  
23 .0000 MHz
- 3 :-29 .056 dB  
69 .0000 MHz
- 4 :-70 .885 dB  
200 .000 MHz
- 5 :-53 .623 dB  
2 .20000 GHz