

SGC Technologies, Inc.

PRODUCT SPECIFICATION FOR INFORMATION

CUSTOMER :

PRODUCT NAME : BPF TYPE

PART NO: SLB-249-BP15MD

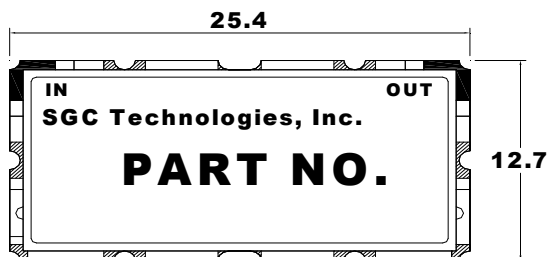
ITEM	SPEC.
Center frequency	249MHz
Bandwidth	15MHz
Insertion loss	2.5dB max.
Ripple	0.5dB max.
VSWR	1.4 : 1
Attenuation	35 dB @ 200MHz 45 dB @ 310MHz 45 dB @ 1.8GHz

NOTE:

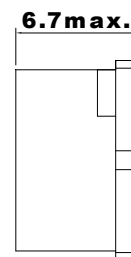
EQUIPMENT used :HP 8753E

DIMENSION:

TOP VIEW



SIDE VIEW



BOTTOM VIEW

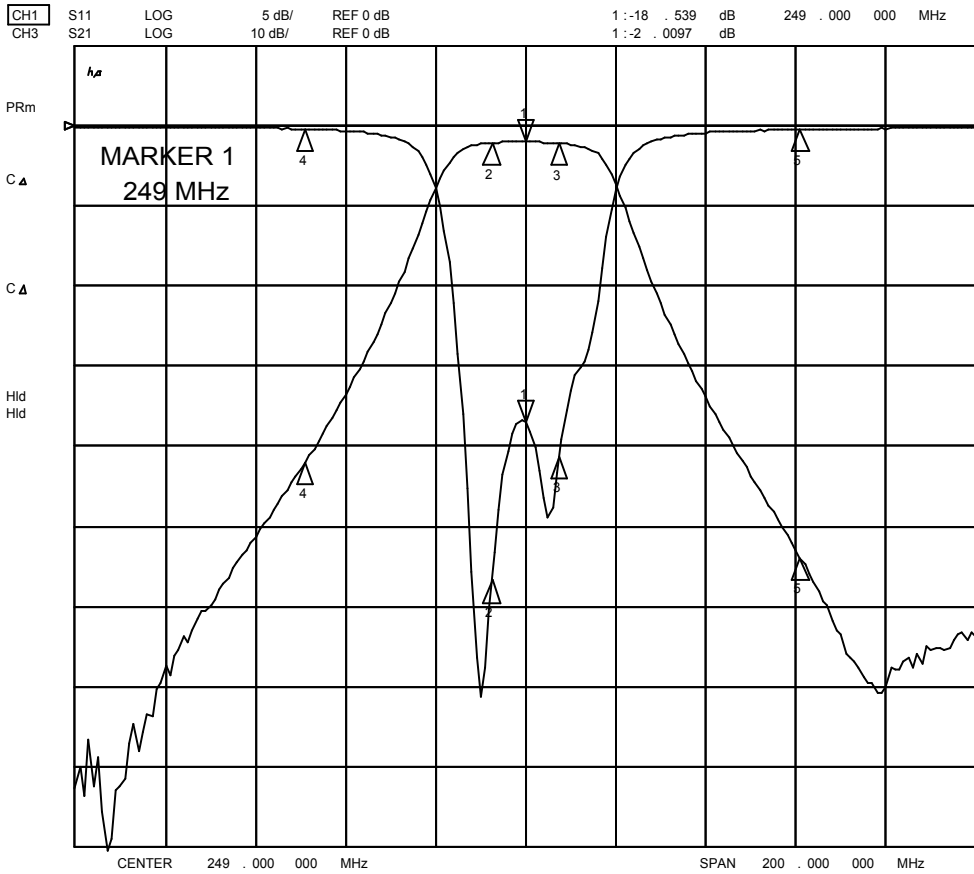


**TOLERANCE UNLESS
OTHERWISE SPECIFIED : ±0.3
DIMENSIONS : mm**

 GROUND
 I/O PORT

SLB-249-BP15MD

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CH1 Markers

2	-28 .397	dB
241	.500	MHz
3	-20 .622	dB
256	.500	MHz
4	- .20850	dB
200	.000	MHz
5	- .23200	dB
310	.000	MHz

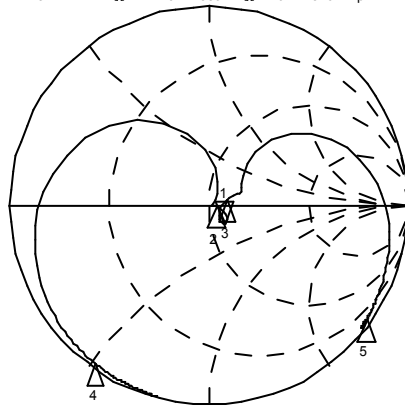
CH3 Markers

2	-2 .0800	dB
241	.500	MHz
3	-2 .1756	dB
256	.500	MHz
4	-42 .010	dB
200	.000	MHz
5	-53 .964	dB
310	.000	MHz

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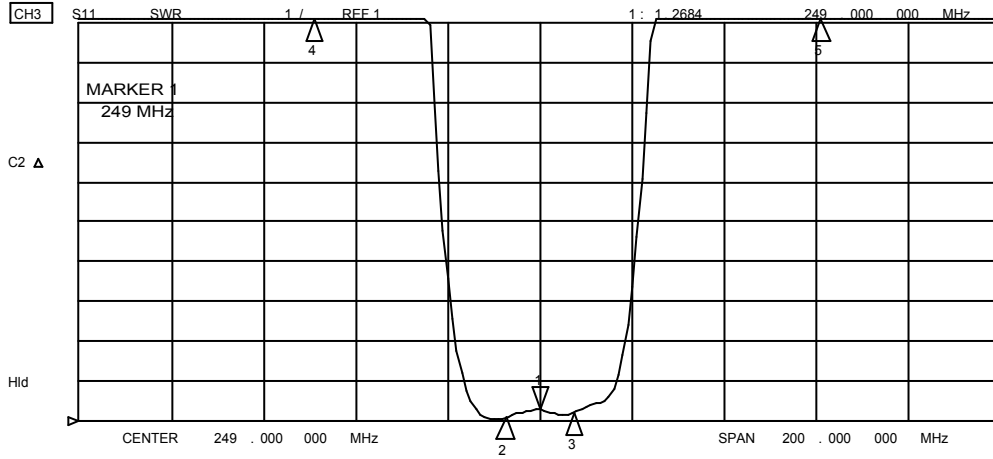
CH1 S11 1 UFS 1: 57.422 Ω -10.389 Ω 61.526 pF 249.000 000 MHz

hP
C Δ
PRm
Hld



CH1 Markers

- 2: 53.992 Ω
-531.25 m Ω
241.500 MHz
- 3: 59.787 Ω
3.1523 Ω
256.500 MHz
- 4: 0.7568 Ω
-25.597 Ω
200.000 MHz
- 5: 07.063 Ω
-154.70 Ω
310.000 MHz



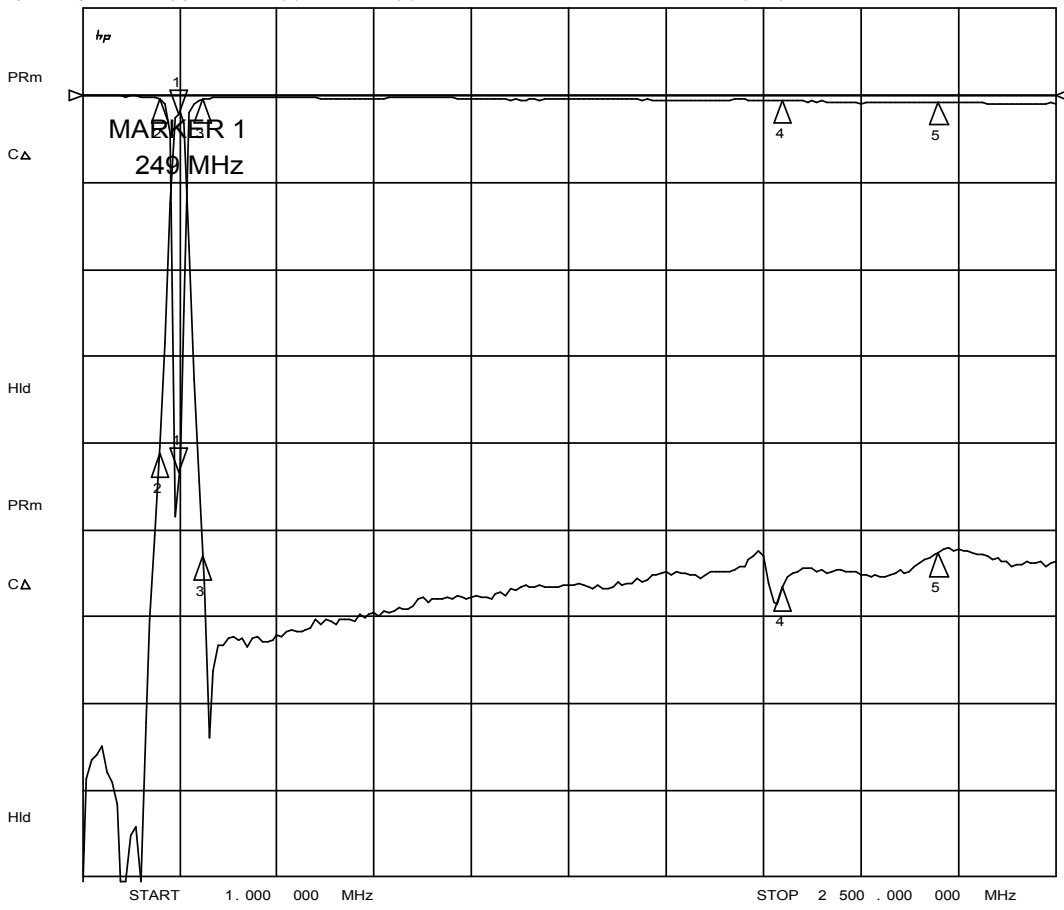
CH3 Markers

- 2: 1.0808
241.500 MHz
- 3: 1.2073
256.500 MHz
- 4: 83.332
200.000 MHz
- 5: 74.844
310.000 MHz

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CH1 S11 LOG 5 dB/ REF 0 dB 1 :-21 . 681 dB 249 . 000 000 MHz
CH2 S21 LOG 10 dB/ REF 0 dB 1 :-2 . 1479 dB



CH1 Markers

2:	- . 21460	dB
	200 . 000	MHz
3:	- . 23840	dB
	310 . 000	MHz
4:	- . 26170	dB
	1 . 80000	GHz
5:	- . 33580	dB
	2 . 20000	GHz

CH2 Markers

2:	-41 . 183	dB
	200 . 000	MHz
3:	-53 . 086	dB
	310 . 000	MHz
4:	-56 . 667	dB
	1 . 80000	GHz
5:	-52 . 718	dB
	2 . 20000	GHz