

SGC Technologies, Inc.

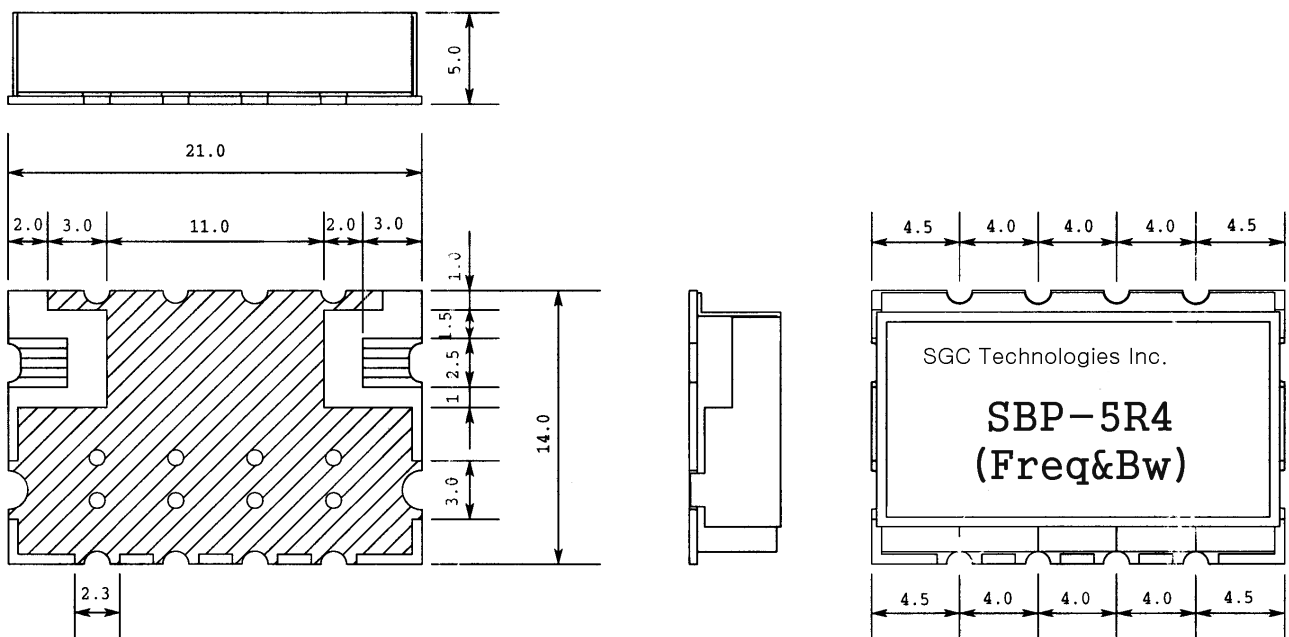
PRODUCT SPECIFICATION FOR INFORMATION

PRODUCT NAME: SBP-5R4 TYPE

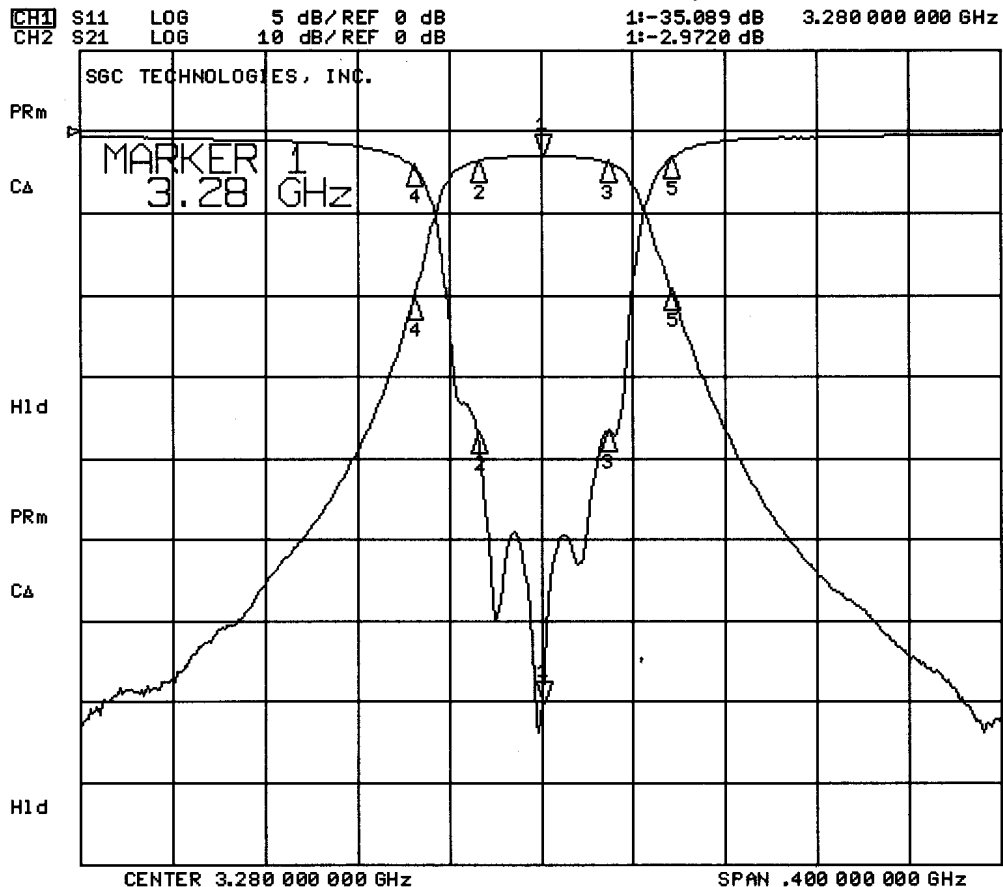
PART NO: SBP-5R4-3760BP56H

Center frequency(F_o)	3760 MHz
Pole	5
Bandwidth(BW)	$F_o \pm 28$ MHz
Insertion Loss (F_o)	4.0 dB max
VSWR in BW	1.5 max
Ripple in BW	1.0dB max
Linear Group Delay	5 ns max
Attenuation	5 dBc min at $F_o \pm 56$ MHz 30 dBc min at $F_o \pm 140$ MHz 57 dBc min at $F_o \pm 280$ MHz
In/Out Impedance	50 Ohm
Operating Temperature Range	Nomal Operation -40 to +75°C No Damage -55 to +85°C
Rate of Temperature Change	1°C / minute max

DIMENSION:



SBP-5R4-3760BP56H

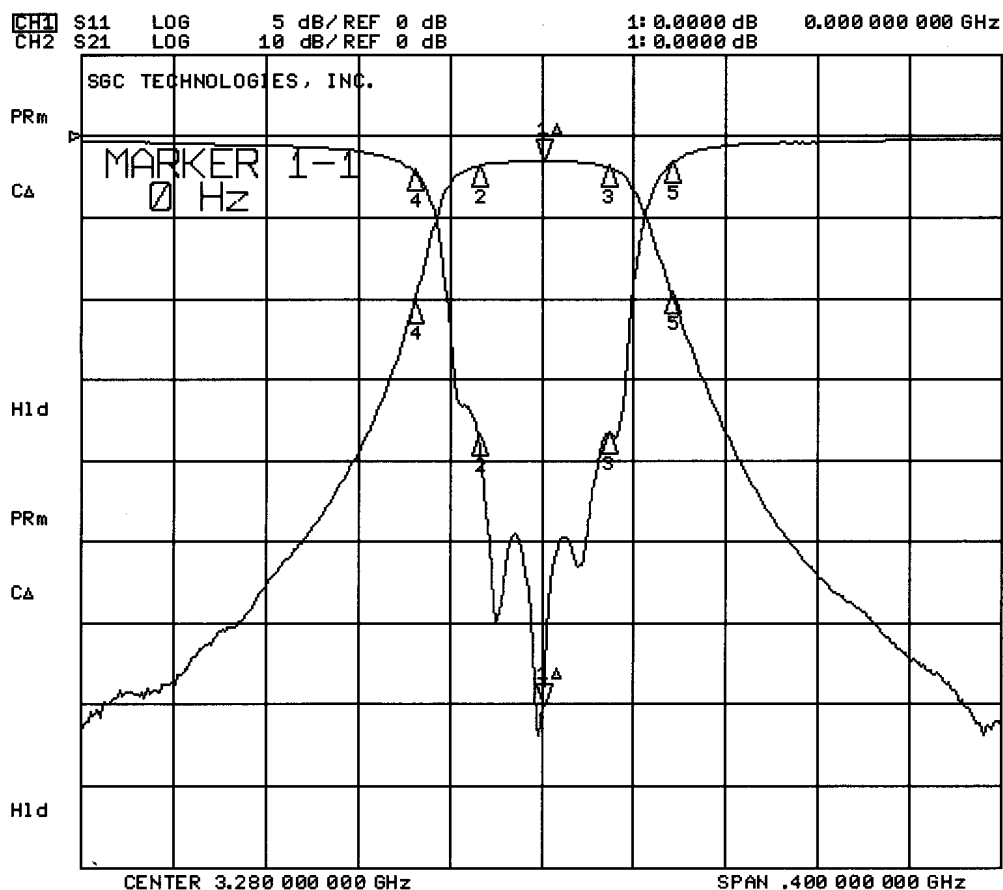


CH1 Markers

2:-18.443 dB	3.25200 GHz
3:-18.409 dB	3.30800 GHz
4:-2.1580 dB	3.22400 GHz
5:-1.6460 dB	3.33600 GHz

CH2 Markers

2:-3.6430 dB	3.25200 GHz
3:-3.7180 dB	3.30800 GHz
4:-20.713 dB	3.22400 GHz
5:-19.337 dB	3.33600 GHz



CH1 Markers

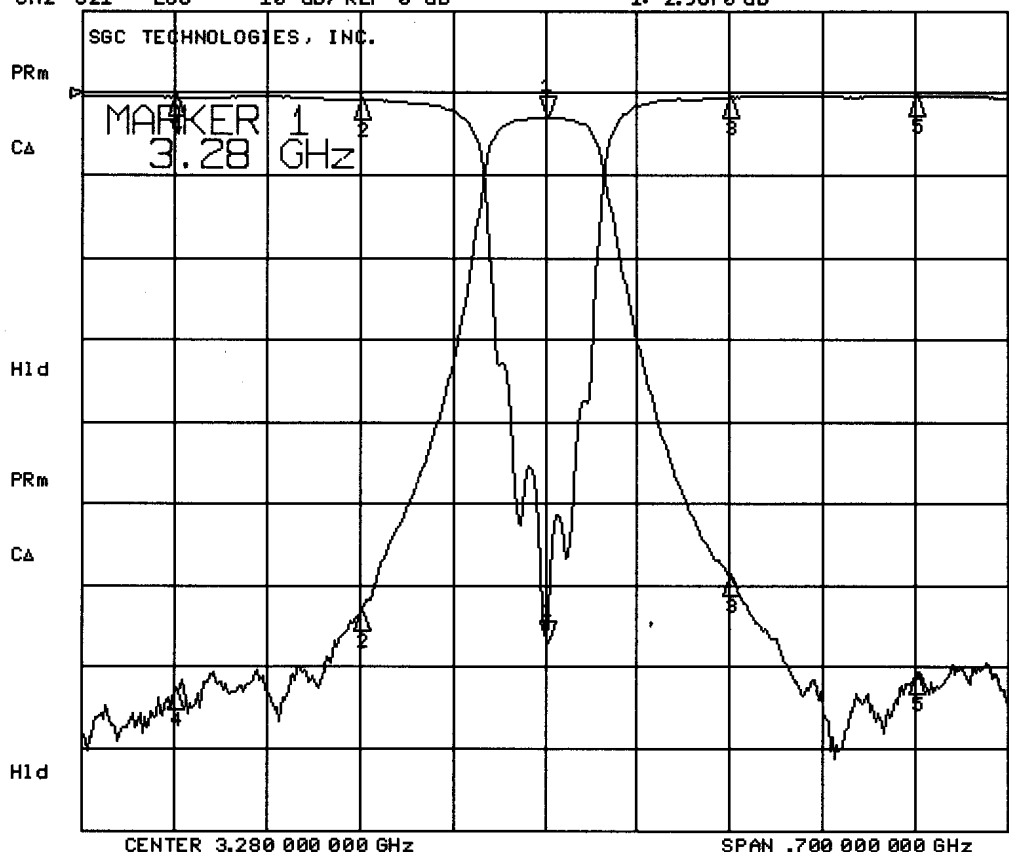
ΔREF=1	
2: 16.646 dB	-28.0000 MHz
3: 16.679 dB	28.0000 MHz
4: 32.931 dB	-56.0000 MHz
5: 33.442 dB	56.0000 MHz

CH2 Markers

2:-.67100 dB	-28.0000 MHz
3:-.74500 dB	28.0000 MHz
4:-17.741 dB	-56.0000 MHz
5:-16.364 dB	56.0000 MHz

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CH1 S11 LOG 5 dB/REF 0 dB 1:-33.561 dB 3.280 000 000 GHz
CH2 S21 LOG 10 dB/REF 0 dB 1:-2.9670 dB



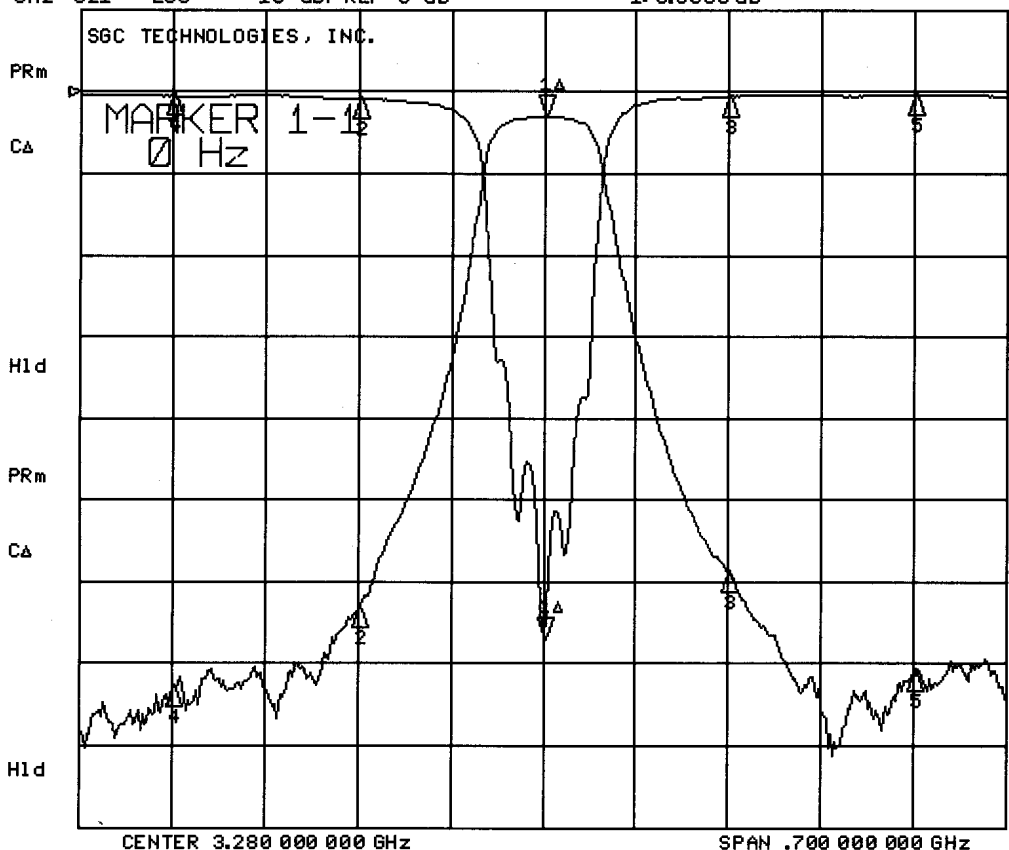
CH1 Markers

2:-47100 dB
3.14000 GHz
3:-26900 dB
3.42000 GHz
4:-24900 dB
3.00000 GHz
5:-17400 dB
3.56000 GHz

CH2 Markers

2:-63.244 dB
3.14000 GHz
3:-58.982 dB
3.42000 GHz
4:-72.916 dB
3.00000 GHz
5:-70.818 dB
3.56000 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: 33.090 dB
-140.000 MHz
3: 33.291 dB
140.000 MHz
4: 33.311 dB
-280.000 MHz
5: 33.387 dB
280.000 MHz

CH2 Markers

2:-60.276 dB
-140.000 MHz
3:-56.015 dB
140.000 MHz
4:-69.949 dB
-280.000 MHz
5:-67.851 dB
280.000 MHz