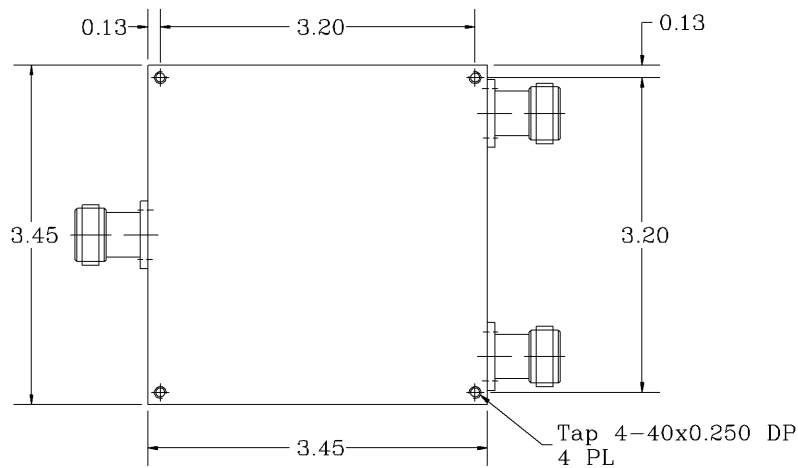
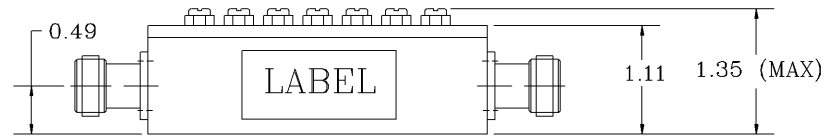
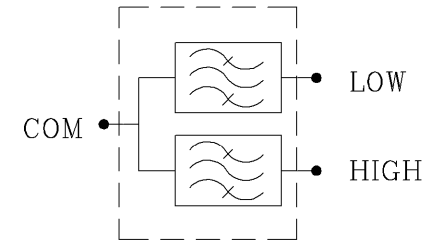
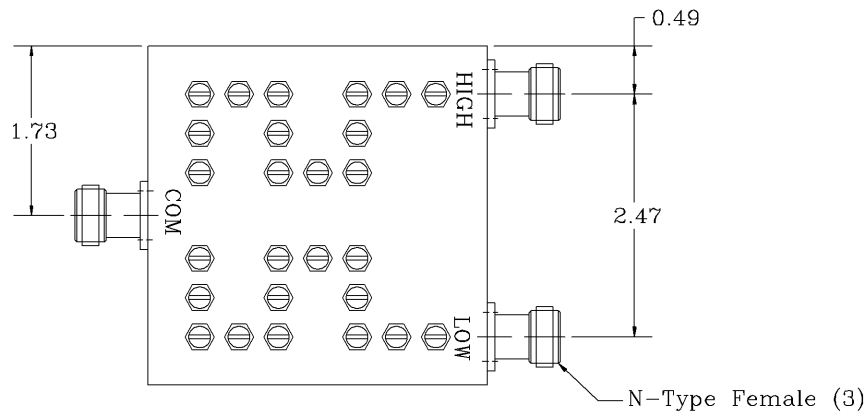


| REVISIONS | | | |
|-----------|--|------|----------|
| REV | | DATE | APPROVED |
| | | | |
| | | | |
| | | | |



Electrical Specifications

| | |
|---|------------------------|
| *Low Pass Band Range [MHz] | : 1320 to 1520 |
| *High Pass Band Range [MHz] | : 1650 to 1850 |
| *Pass Band Insertion Loss [dB] | : < 0.5, 0.4 (Typ.) |
| *Pass Band Ripple [dB] | : < 0.5 P-T-P |
| *Low Attenuation 1650 to 1850 MHz [dB] | : 60 (Min.), 65 (Typ.) |
| *High Attenuation 1320 to 1520 MHz [dB] | : 60 (Min.), 65 (Typ.) |
| *Isolation Between Filters [dB] | : 60 (Min.), 65 (Typ.) |
| *Ultimate Stop Band Attenuation [dB] | : 80 (Min.), |
| *Pass Band Return Loss [dB] | : -15 (Max.) |
| *Input/Output Impedance | : 50 ohm |
| *RF Power Capability CW | : 15 Watts |
| *Input/Output @ DC Ground Potential | |

OPERATING TEMPERATURE RANGE: -10°C TO +65°C

PROPRIETARY DOCUMENT:
THE CONTENTS OF THIS DOCUMENT WITH ALL INFORMATION AND PROCESSES ARE THE SOLE PROPERTY OF G-Way Microwave. THIS DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO ANY PARTY EXCEPT BY EXPRESSLY WRITTEN PERMISSION. THE ONLY AUTHORIZED USE OF THIS DOCUMENT BY A VENDOR IS FOR QUOTE PURPOSES AND SAID VENDOR AGREES NOT TO DISCLOSE ITS CONTENTS TO ANY THIRD PARTY. THIS DOCUMENT IS COPYRIGHTED 1998.

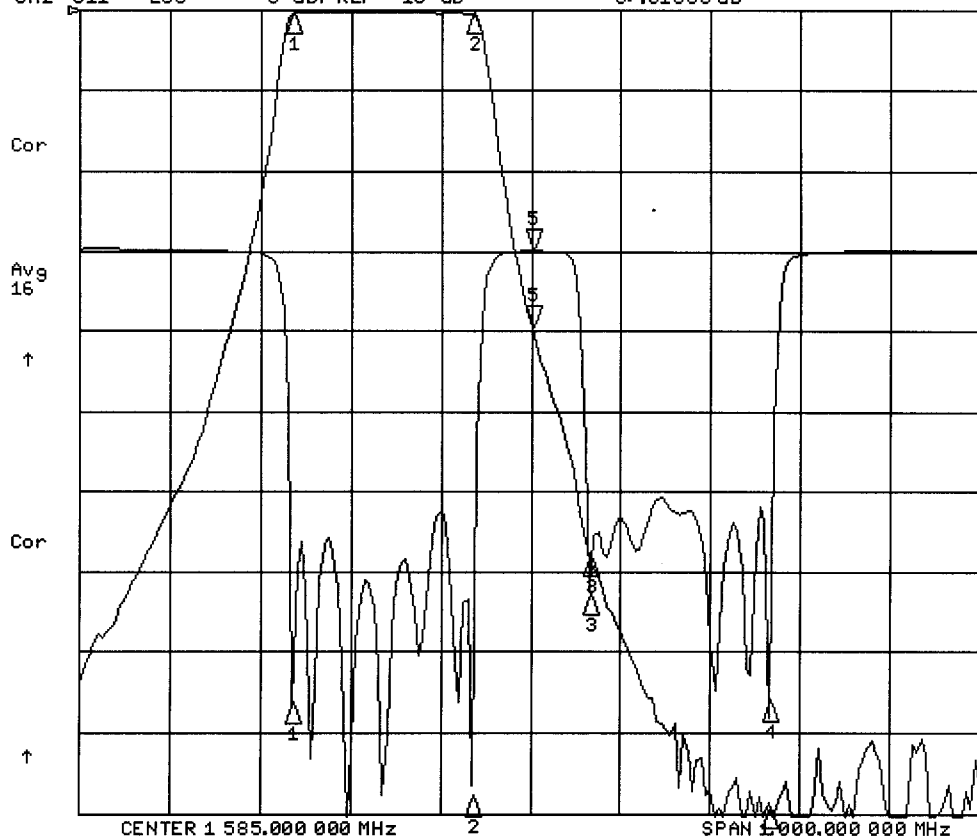
NOTES:

- BREAK ALL CORNERS & EDGES.005/.010.
- FINAL FINISH:
EPOXY GRAY - OPTIONAL

| | | | | | |
|---|--|-----------------|-------|------------------------|--------------|
| DIMENSIONS ARE IN INCHES TOLERANCES ARE ANGLES DECIMALS ± 1" X ± .05 XX ± .01 XXX ± .003 | | CONTRACT NO: | | G-Way Microwave | |
| TREATMENT | | APPROVALS | DATE | | |
| FINISH 63/ | | DRAWN Segal | 08/09 | Diplexer | |
| MATERIAL AL6061-T6 | | CHECKED | | CD1585/200SK-B7 | |
| | | ENG. | | SIZE | CAGE CODE |
| | | DESIGN ACTIVITY | | A | 3K1H4 |
| | | | | DWG NO: | REV. |
| | | | | CD1585/200SK-B7-1 | 0 |
| | | | | SCALE None | SHEET 1 OF 1 |

21 Aug 2009 13:21:18

CH1 S21 LOG 10 dB/REF 0 dB 5:-39.471 dB 1 585.000 000 MHz
 CH2 S11 LOG 5 dB/REF -15 dB 5: .01550 dB



CH1 Markers

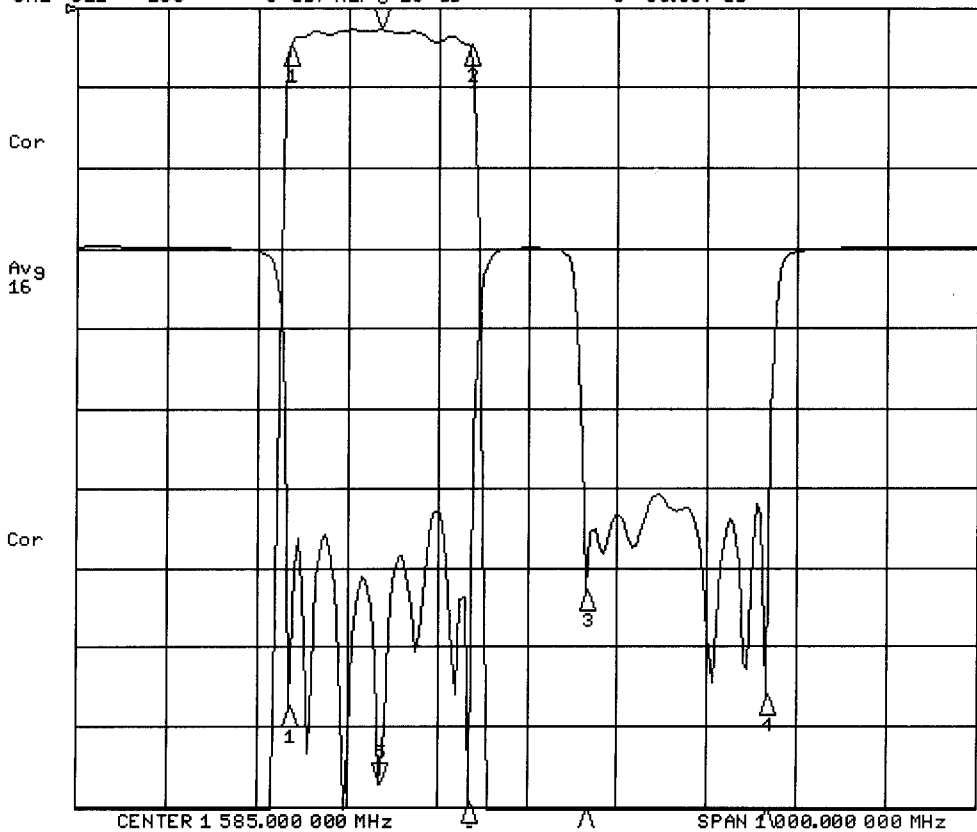
- 1:-48.320 dB
1.32000 GHz
- 2:-49.110 dB
1.52000 GHz
- 3:-68.183 dB
1.65000 GHz
- 4:-99.432 dB
1.85000 GHz

CH2 Markers

- 1:-28.223 dB
1.32000 GHz
- 2:-34.018 dB
1.52000 GHz
- 3:-21.440 dB
1.65000 GHz
- 4:-28.121 dB
1.85000 GHz

21 Aug 2009 13:21:25

CH1 S21 LOG 1 dB/REF 0 dB 5:-.27620 dB 1 420.000 000 MHz
 CH2 S11 LOG 5 dB/REF 5-15 dB 5:-33.637 dB



CH1 Markers

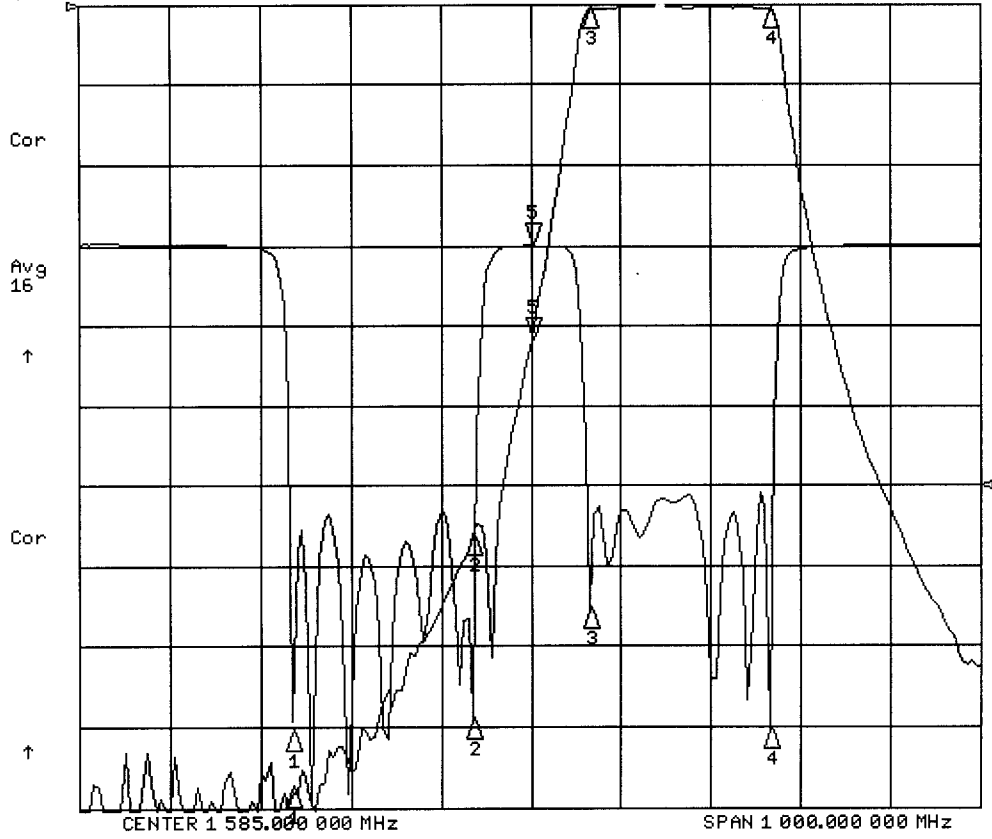
- 1:-48.310 dB
1.32000 GHz
- 2:-48.790 dB
1.52000 GHz
- 3:-67.884 dB
1.65000 GHz
- 4:-102.59 dB
1.85000 GHz

CH2 Markers

- 1:-28.785 dB
1.32000 GHz
- 2:-34.766 dB
1.52000 GHz
- 3:-21.427 dB
1.65000 GHz
- 4:-28.130 dB
1.85000 GHz

21 Aug 2009 13:21:59

CH1 S21 LOG 10 dB/REF 0 dB 5:-41.558 dB 1 585.000 000 MHz
CH2 S11 LOG 5 dB/REF -15 dB 5: .01410 dB



CH1 Markers

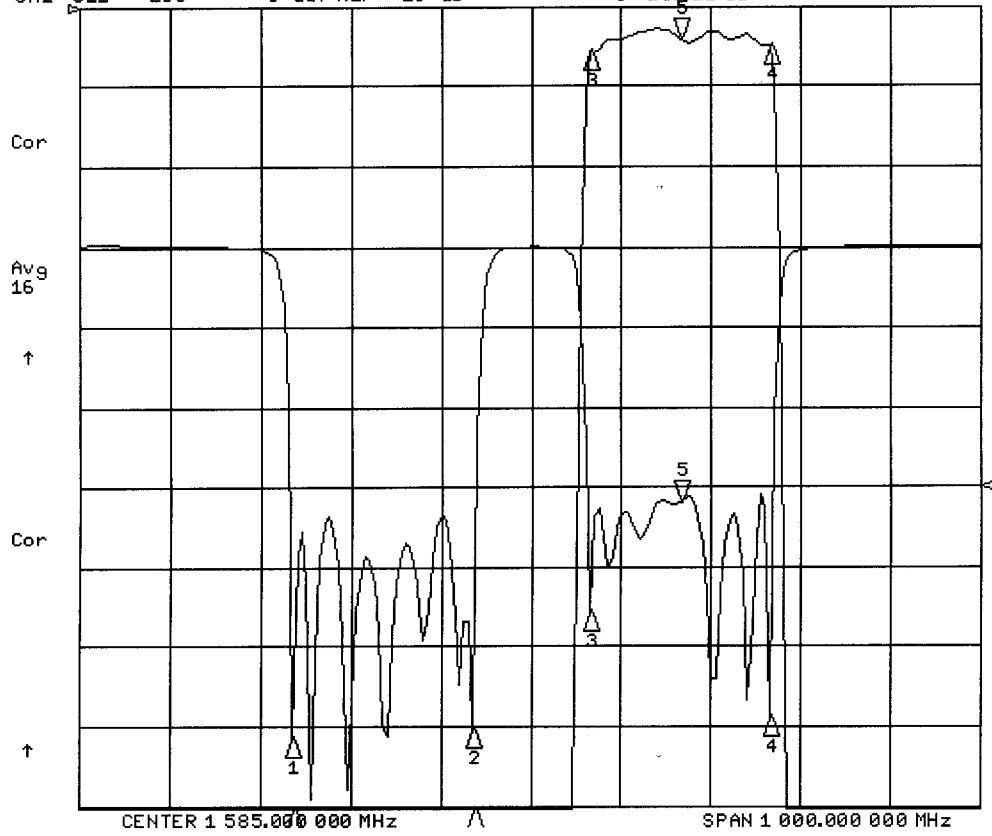
- 1:-97.455 dB
1.32000 GHz
- 2:-66.149 dB
1.52000 GHz
- 3:-56.480 dB
1.65000 GHz
- 4:-48.760 dB
1.85000 GHz

CH2 Markers

- 1:-30.283 dB
1.32000 GHz
- 2:-29.520 dB
1.52000 GHz
- 3:-22.679 dB
1.65000 GHz
- 4:-30.139 dB
1.85000 GHz

21 Aug 2009 13:22:08

CH1 S21 LOG 1 dB/REF 0 dB 5:-.40080 dB 1 750.000 000 MHz
CH2 S11 LOG 5 dB/REF -15 dB 5:-15.912 dB



CH1 Markers

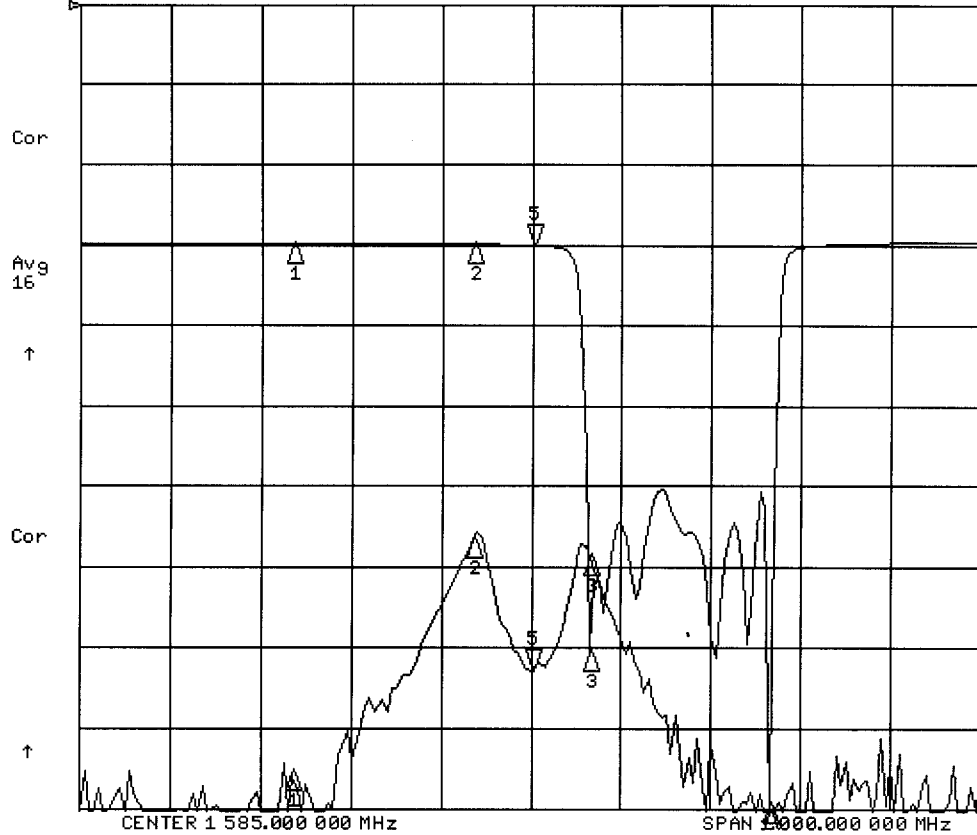
- 1:-103.09 dB
1.32000 GHz
- 2:-66.229 dB
1.52000 GHz
- 3:-56.430 dB
1.65000 GHz
- 4:-49.020 dB
1.85000 GHz

CH2 Markers

- 1:-30.760 dB
1.32000 GHz
- 2:-30.156 dB
1.52000 GHz
- 3:-22.851 dB
1.65000 GHz
- 4:-29.401 dB
1.85000 GHz

21 Aug 2009 13:23:41

CH1 S21 LOG 10 dB/REF 0 dB 5:-82.872 dB 1 585.000 000 MHz
CH2 S11 LOG 5 dB/REF -15 dB 5:-.03400 dB



CH1 Markers

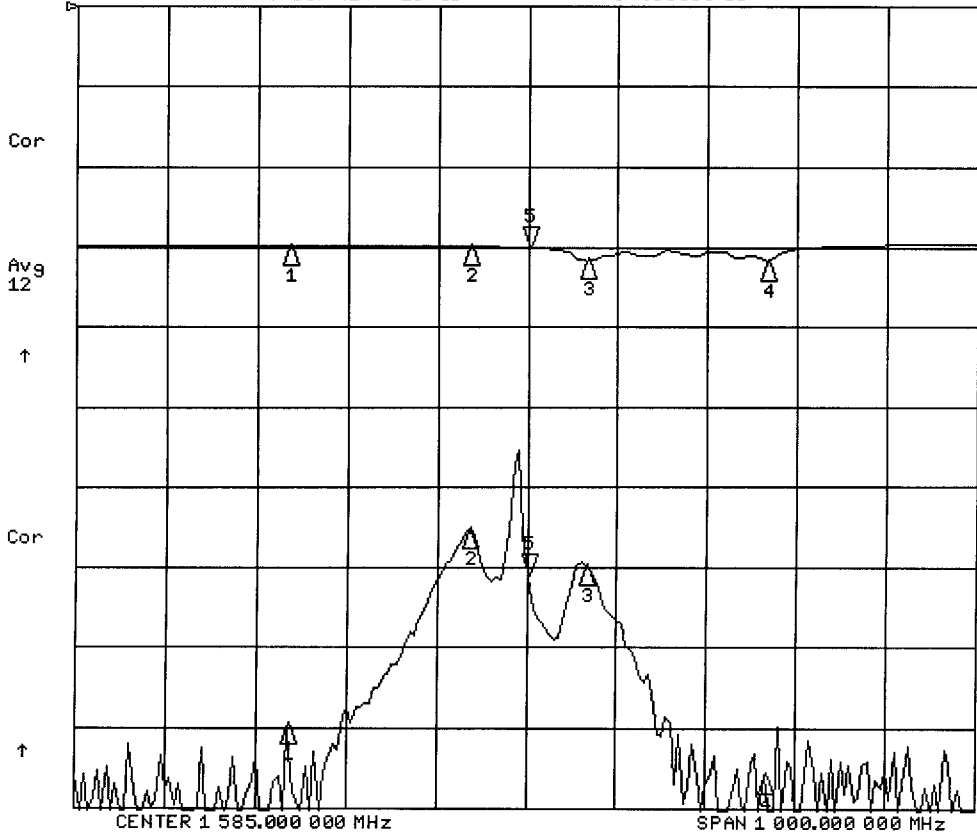
- 1:-95.303 dB
1.32000 GHz
- 2:-66.540 dB
1.52000 GHz
- 3:-68.691 dB
1.65000 GHz
- 4:-99.355 dB
1.85000 GHz

CH2 Markers

- 1: .07910 dB
1.32000 GHz
- 2: .05020 dB
1.52000 GHz
- 3:-25.167 dB
1.65000 GHz
- 4:-35.572 dB
1.85000 GHz

21 Aug 2009 13:23:47

CH1 S21 LOG 10 dB/REF 0 dB 5:-71.005 dB 1 585.000 000 MHz
CH2 S11 LOG 5 dB/REF -15 dB 5:-.03030 dB



CH1 Markers

- 1:-89.509 dB
1.32000 GHz
- 2:-65.203 dB
1.52000 GHz
- 3:-69.690 dB
1.65000 GHz
- 4:-95.782 dB
1.85000 GHz

CH2 Markers

- 1: .07690 dB
1.32000 GHz
- 2: .03800 dB
1.52000 GHz
- 3:-.75900 dB
1.65000 GHz
- 4:-.95200 dB
1.85000 GHz