

MTC, Inc.

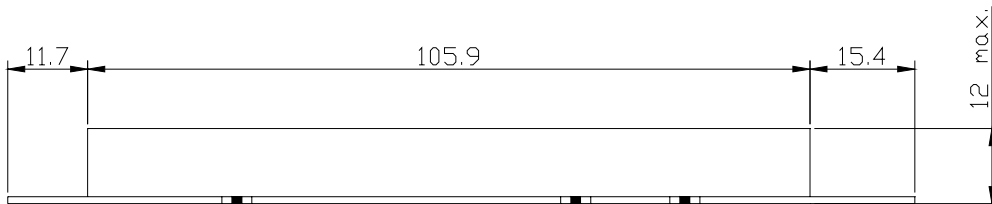
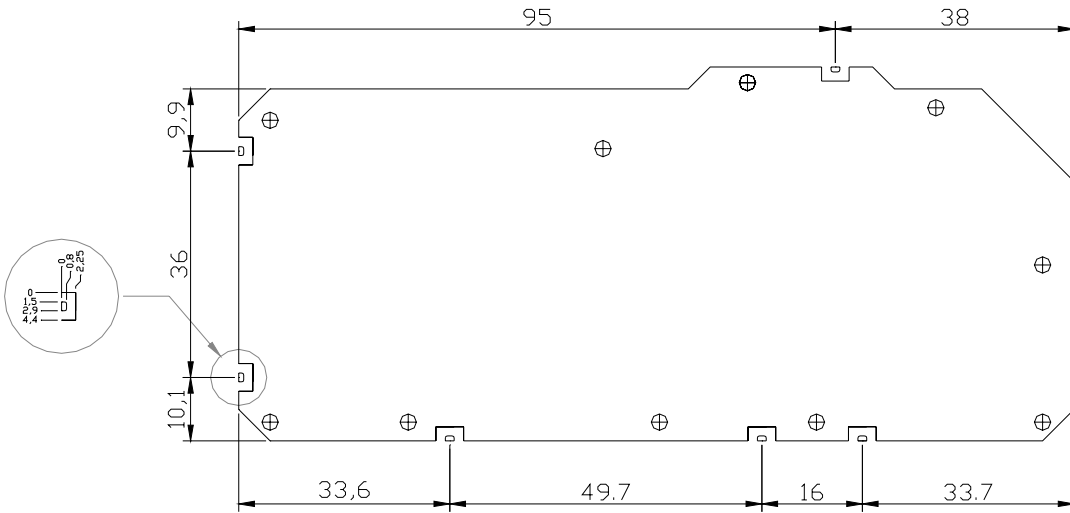
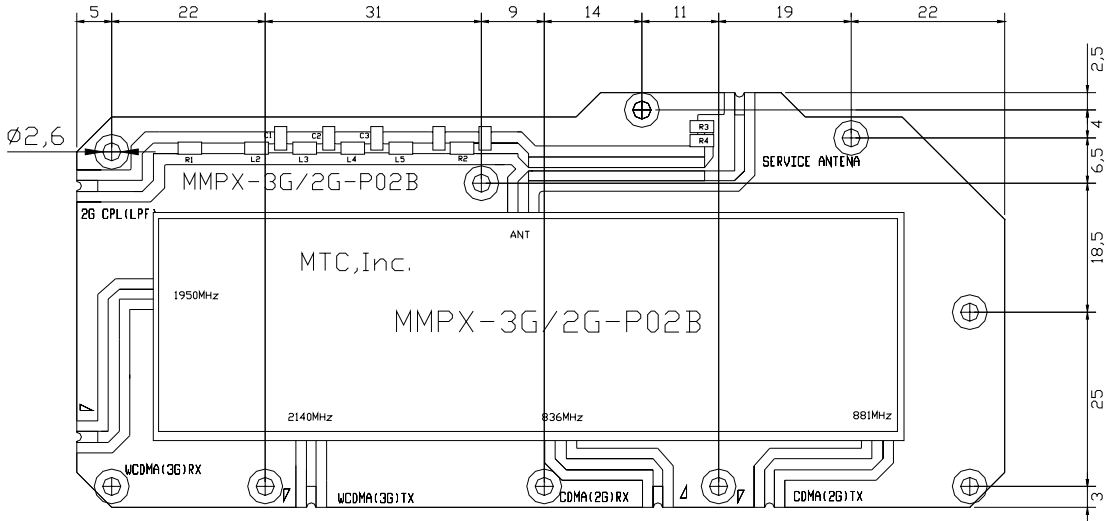
PRODUCT SPECIFICATION FOR INFORMATION

CUSTOMER :

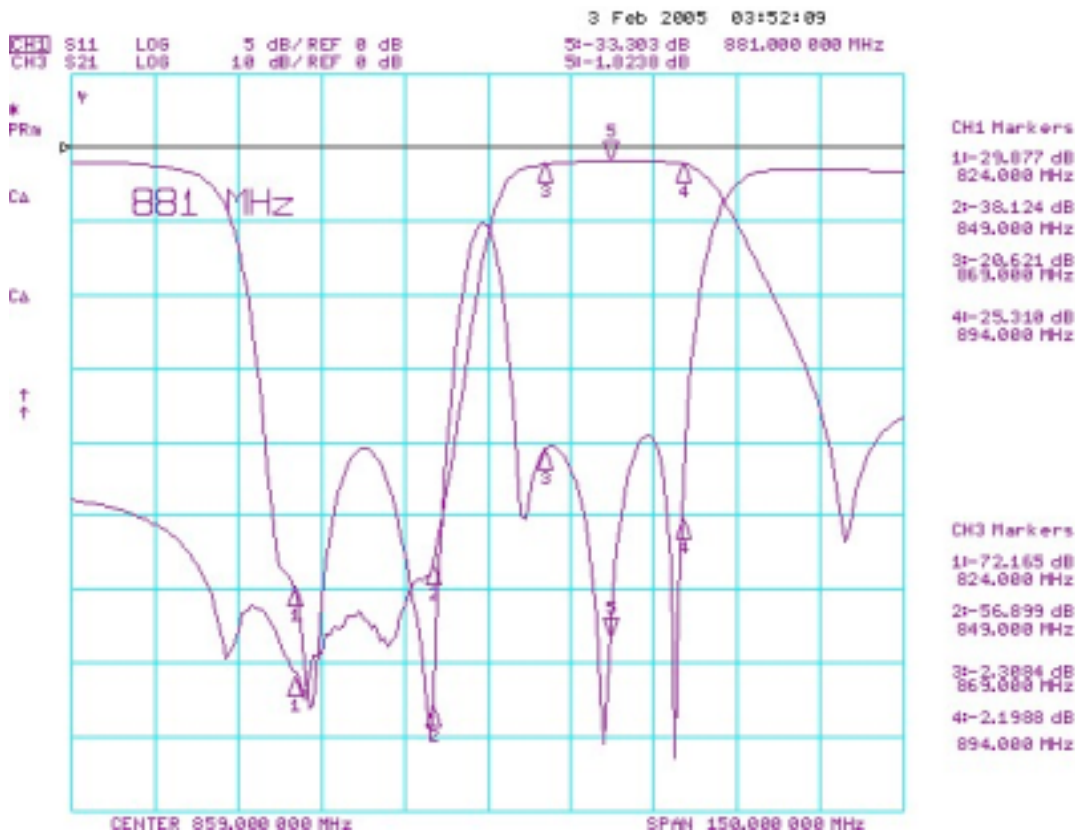
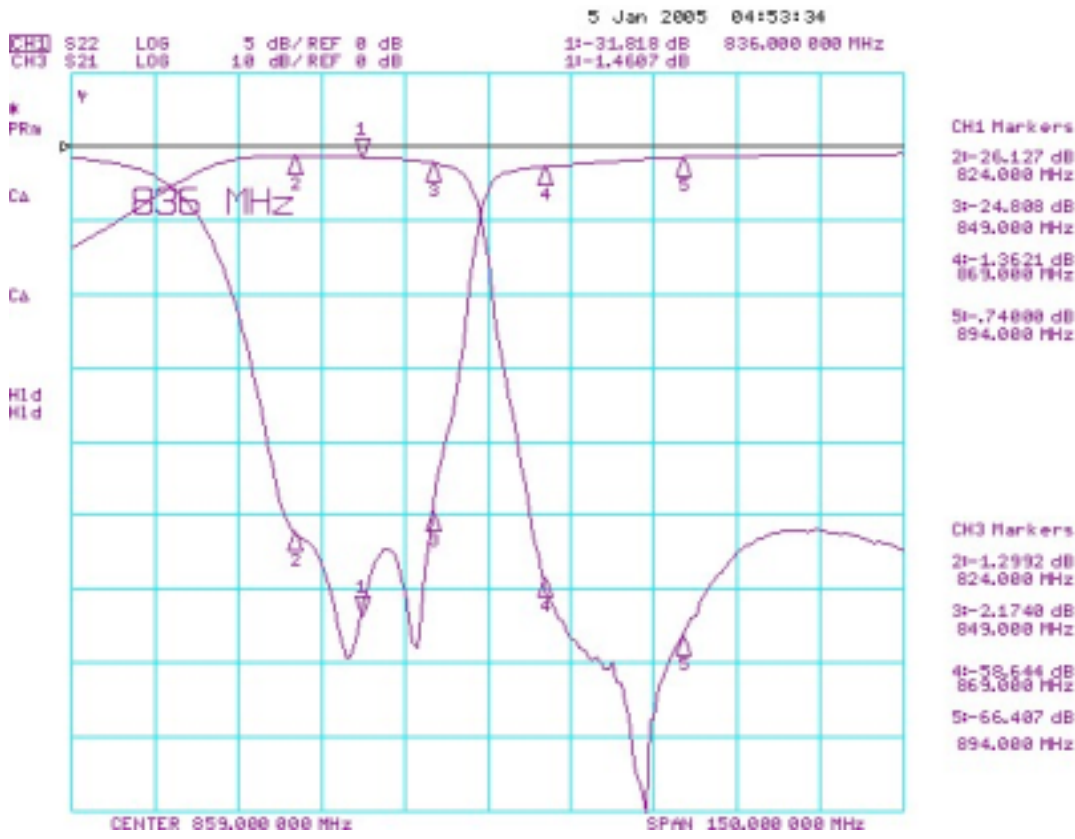
PART NO : MMPX-3G/2G-P02B

| ITEM | PARAMETER | | | | |
|-------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Center Frequency | 836MHz | 881MHz | 1950MHz | 2140MHz | 836MHz CPL |
| Pass Band | 25MHz | 25MHz | 20MHz | 20MHz | 20MHz |
| Insertion Loss | 2.6dB max. | 2.6dB max. | 2.5dB max. | 2.5dB max. | 20dB max. |
| Ripple | 1.0dB max. | 0.7dB max. | 0.5dB max. | 0.5dB max. | 0.5dB max. |
| V.S.W.R | 1.4 :1 | 1.4 :1 | 1.4 :1 | 1.4 :1 | 1.4 :1 |
| Attenuation | 55dB min.@ 869~894MHz | 55dB min.@ 824~849MHz | 55dB min.@ 824~849MHz | 55dB min.@ 824~849MHz | 55dB min.@ 869~894MHz |
| | 55dB min.@ 1940~1960MHz | 55dB min.@ 1940~1960MHz | 55dB min.@ 869~894MHz | 55dB min.@ 869~894MHz | 55dB min.@ 1940~1960MHz |
| | 55dB min.@ 2130~2150MHz | 55dB min.@ 2130~2150MHz | 55dB min.@ 2130~2150MHz | 55dB min.@ 1940~1960MHz | 55dB min.@ 2130~2150MHz |
| In/Out Impedance | 50 | | | | |
| Operating Temp | -40 to +70 | | | | |
| Relative Humidity | 0~95 % | | | | |

DIMENSION

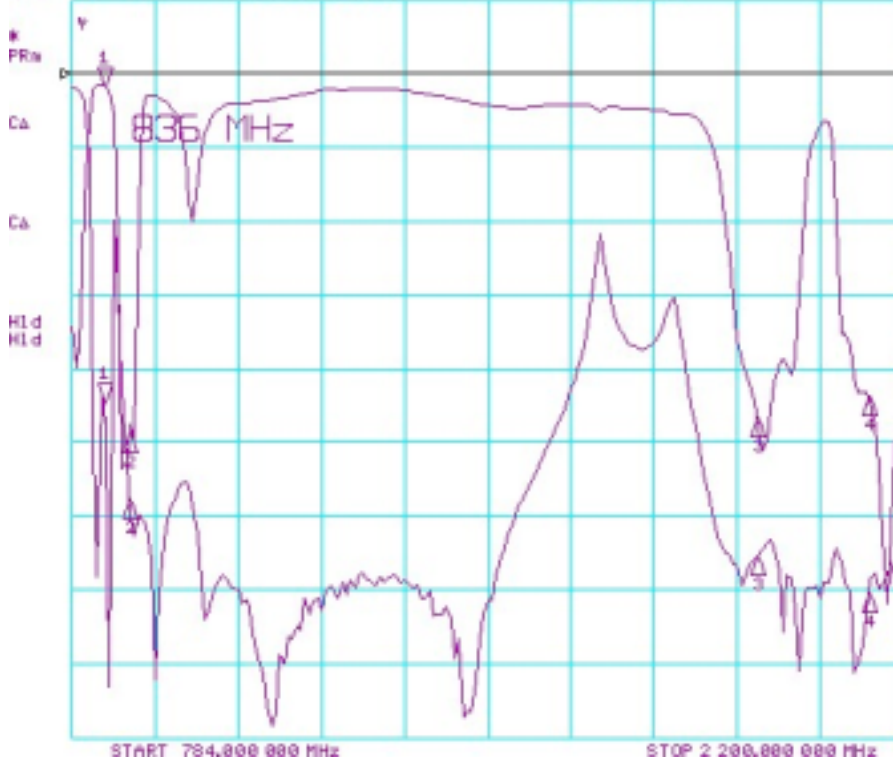


UNIT : mm
 TOLERANCE
 UNLESS
 SPECIFIED : ±0.3



3 Feb 2005 03:51:10

CH1 S11 L06 5 dB/REF 0 dB 1f-22.335 dB 836.000 000 MHz
CH3 S21 L08 10 dB/REF 0 dB 1f-1.7020 dB



CH1 Markers

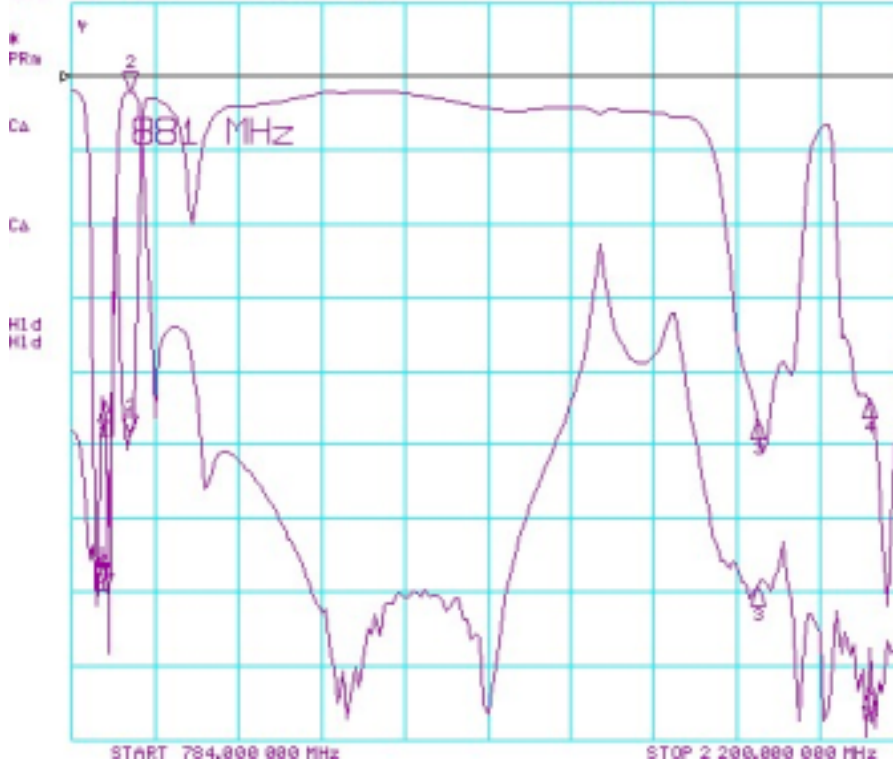
- 2f-24.526 dB
881.000 MHz
- 3f-23.435 dB
1.95000 GHz
- 4f-21.915 dB
2.14000 GHz

CH3 Markers

- 2f-57.965 dB
881.000 MHz
- 3f-65.627 dB
1.95000 GHz
- 4f-70.632 dB
2.14000 GHz

3 Feb 2005 03:51:34

CH1 S11 L06 5 dB/REF 0 dB 1f-24.381 dB 881.000 000 MHz
CH3 S21 L08 10 dB/REF 0 dB 1f-1.9961 dB



CH1 Markers

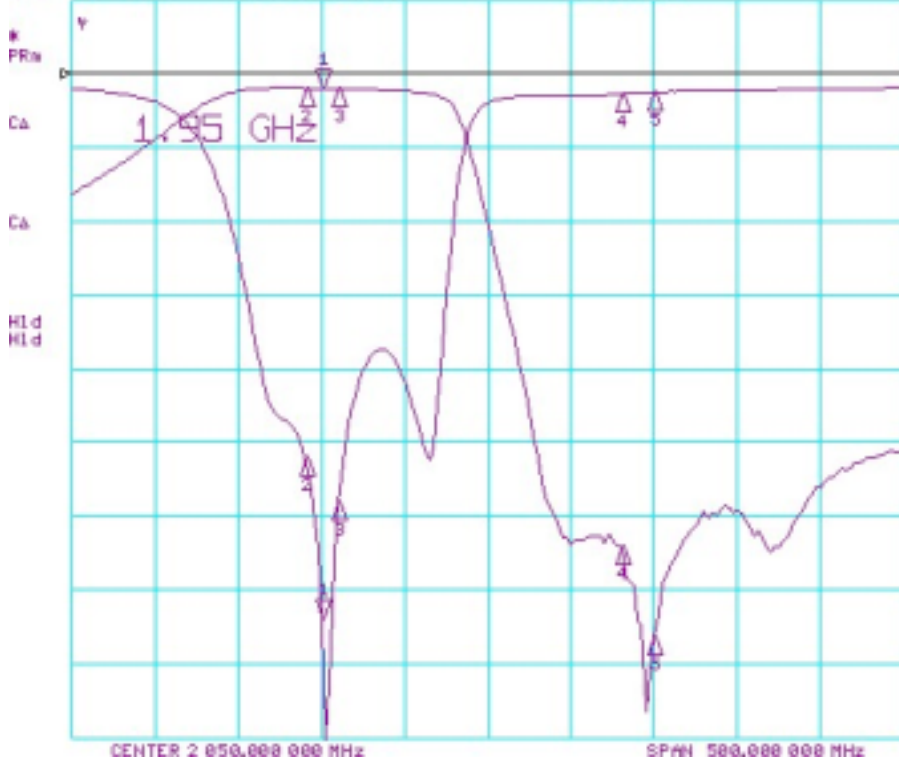
- 1f-22.159 dB
836.000 MHz
- 3f-23.406 dB
1.95000 GHz
- 4f-21.933 dB
2.14000 GHz

CH3 Markers

- 1f-65.425 dB
836.000 MHz
- 3f-69.394 dB
1.95000 GHz
- 4f-83.388 dB
2.14000 GHz

3 Feb 2005 03:57:03

CH1 S22 L06 5 dB/REF 0 dB 1f-37.071 dB 1 950.000 000 MHz
CH3 S21 L06 10 dB/REF 0 dB 1f-1.9573 dB



CH1 Markers

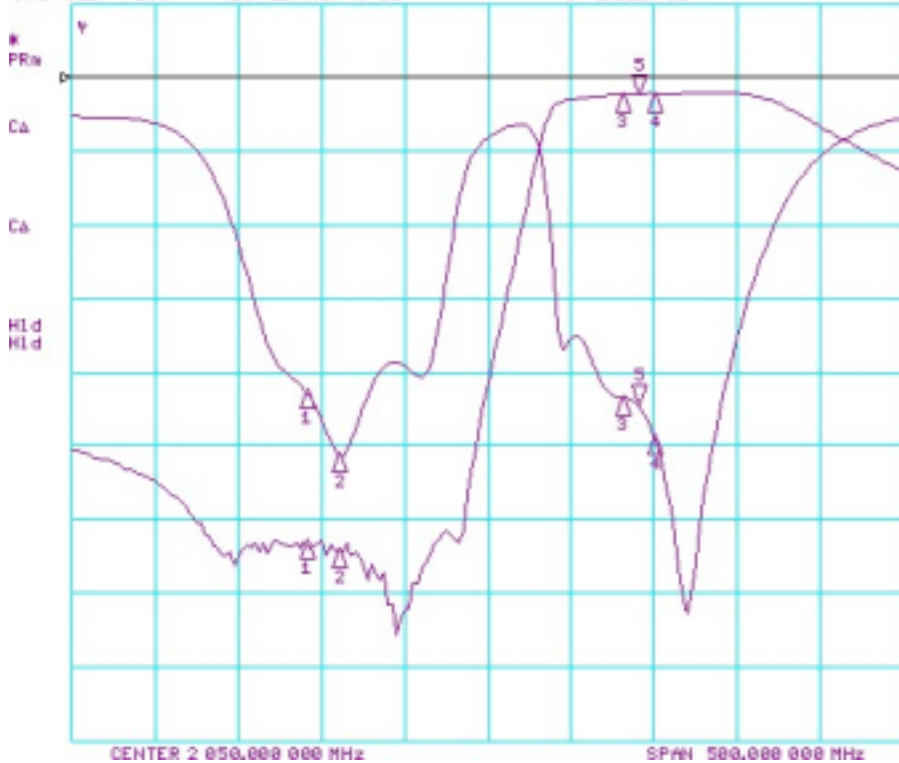
- 1f-26.053 dB
1.94000 GHz
- 3f-29.013 dB
1.95000 GHz
- 4f-1.3693 dB
2.13000 GHz
- 5f-1.2426 dB
2.15000 GHz

CH3 Markers

- 1f-1.9367 dB
1.94000 GHz
- 3f-2.0073 dB
1.95000 GHz
- 4f-54.165 dB
2.13000 GHz
- 5f-76.475 dB
2.15000 GHz

3 Feb 2005 03:54:50

CH1 S11 L06 5 dB/REF 0 dB 3f-22.255 dB 2 140.000 000 MHz
CH3 S21 L06 10 dB/REF 0 dB 5f-2.2117 dB



CH1 Markers

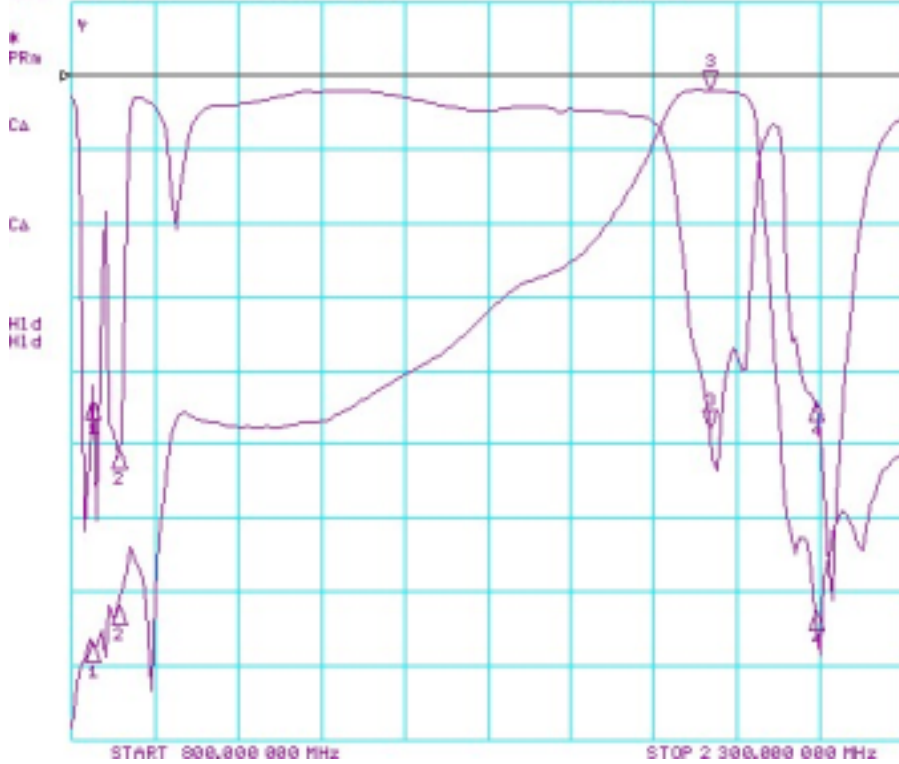
- 1f-21.181 dB
1.94000 GHz
- 2f-25.582 dB
1.95000 GHz
- 3f-21.685 dB
2.13000 GHz
- 4f-24.414 dB
2.15000 GHz

CH3 Markers

- 1f-62.046 dB
1.94000 GHz
- 2f-64.061 dB
1.95000 GHz
- 3f-2.2052 dB
2.13000 GHz
- 4f-2.2013 dB
2.15000 GHz

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CH1 S11 L06 5 dB/REF 8 dB 3f-24.823 dB 1 958.000 000 MHz
CH3 S21 L08 18 dB/REF 8 dB 3f-1.9859 dB



CH1 Markers

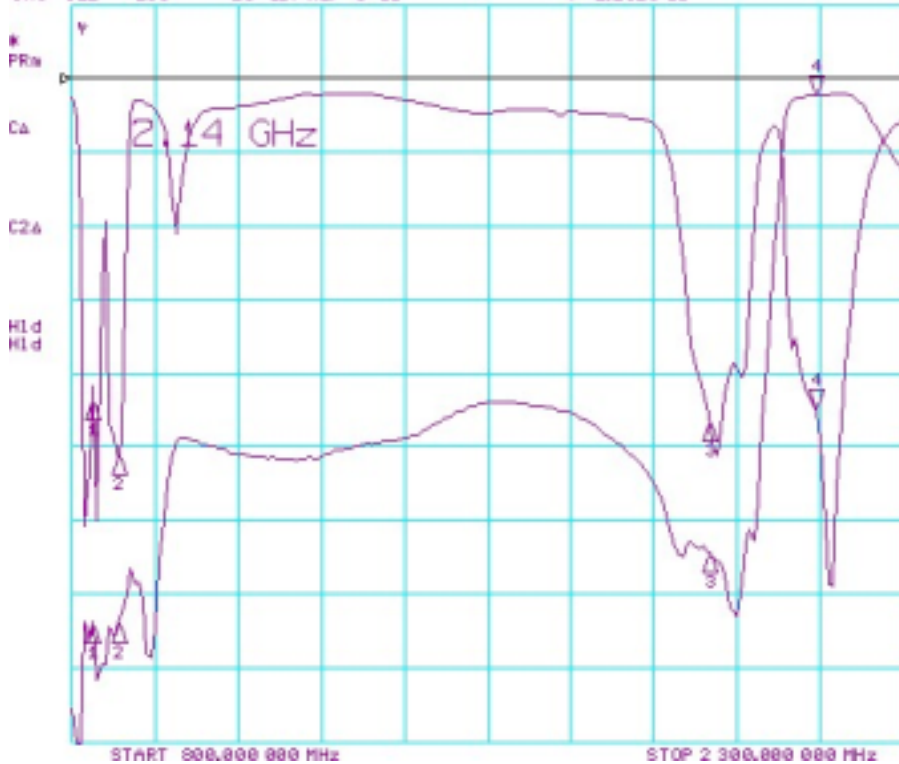
- 1f-22.826 dB
836.000 MHz
- 2f-25.513 dB
881.000 MHz
- 4f-22.182 dB
2.14000 GHz

CH3 Markers

- 1f-77.872 dB
836.000 MHz
- 2f-72.863 dB
881.000 MHz
- 4f-72.759 dB
2.14000 GHz

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CH1 S11 L06 5 dB/REF 8 dB 4f-22.884 dB 2 148.000 000 MHz
CH3 S21 L08 18 dB/REF 8 dB 4f-2.2318 dB



CH1 Markers

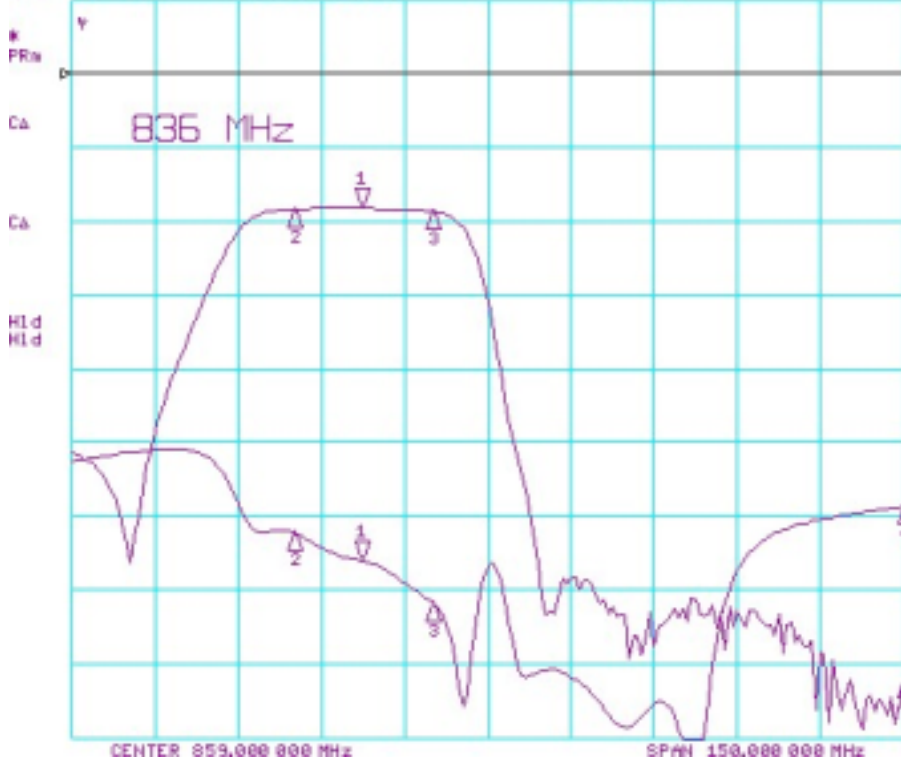
- 1f-22.812 dB
836.000 MHz
- 2f-25.625 dB
881.000 MHz
- 3f-23.421 dB
1.95000 GHz

CH3 Markers

- 1f-74.343 dB
836.000 MHz
- 2f-74.308 dB
881.000 MHz
- 3f-54.582 dB
1.95000 GHz

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CH1 S11 L06 5 dB/REF 0 dB 1*-33.028 dB 836.000 000 MHz
CH2 S21 L08 10 dB/REF 0 dB 1*-18.281 dB



CH1 Markers

2*-31.153 dB
824.000 MHz
3*-35.876 dB
849.000 MHz
4*-29.359 dB
934.000 MHz

CH2 Markers

2*-18.384 dB
824.000 MHz
3*-18.714 dB
849.000 MHz
4*-82.216 dB
934.000 MHz