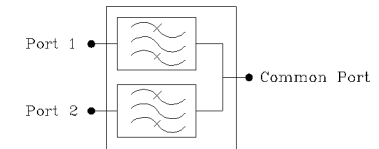
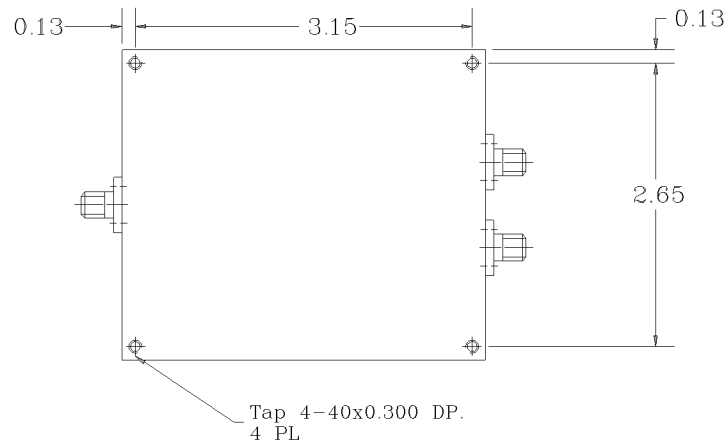
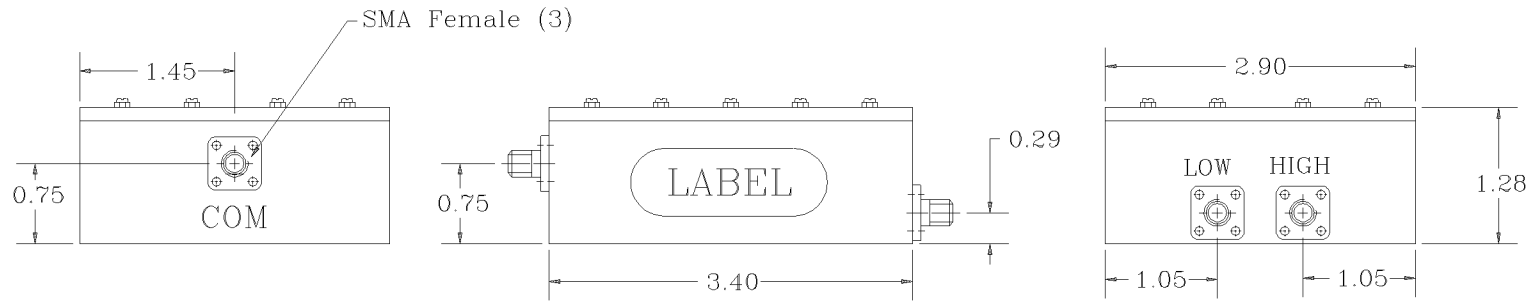


REVISIONS			
REV		DATE	APPROVED



### Electrical Specifications

- \*Low 1.5dB Pass Band Range [MHz] : 1710 to 1785
- \*High 1.5dB Pass Band Range [MHz] : 1805 to 1880
- \*Pass Band Insertion Loss @ Fo [dB] : <1.5, 1.3 Typ.
- \*Pass Band Ripple [dB] : < 0.5 P-T-P
- \*Low Attenuation @ 1805 to 1880 MHz [dBc] : 65 (Min.), 70 (Typ.)  
@ 1795 MHz [dBc] : 25 (Min.), 30 (Typ.)
- \*High Attenuation @ 1710 to 1785 MHz [dBc] : 65 (Min.), 70 (Typ.)  
@ 1795 MHz [dBc] : 30 (Min.), 35 (Typ.)
- \*Isolation between filters [dB] : 60 (Min.), 65 (Typ.)
- \*Pass Band Return Loss [dB] : -17 (Max.), <1.32:1
- \*Input/Output Impedance : 50 ohm
- \*RF Power Capability CW : 8 Watts
- \*Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -20°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:

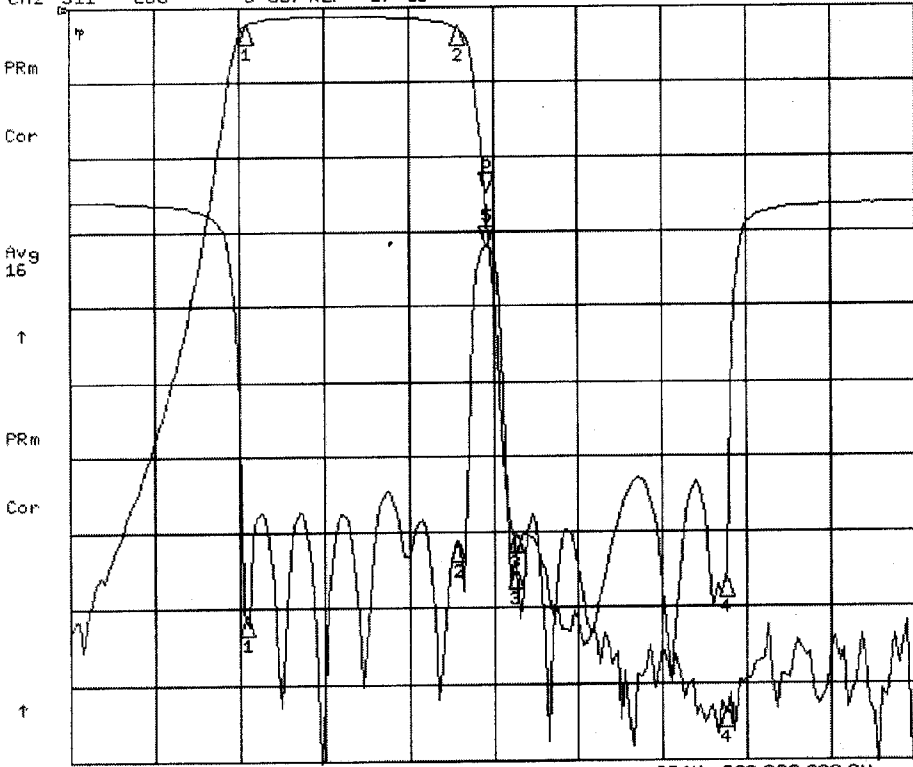
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:  
EPOXY GRAY - OPTIONAL

DIMENSIONS ARE IN INCHES: TOLERANCES ARE ANGLES DECIMALS		CONTRACT NO:		<b>G-Way Microwave</b>			
± 1"	.X ± .05 .XX ± .01 .XXX ± .003	APPROVALS	DATE				
TREATMENT		DRAWN Sivak	01/11	Diplexer DCS Full Band		0	
FINISH 63/		CHECKED		CD1795/750K-B5			
MATERIAL		ENG. DESIGN ACTIVITY		SIZE A	CAGE CODE 3K1H4	DWG NO: CD1795/750K-B5-1	
				SCALE None		SHEET 1 OF 1	

CD1795/750K-B5  
UL

17 Jul 2003 07:24:56

CH1 S21 LOG 10 dB/REF 0 dB 5:-24.790 dB 1.795000 000 GHz  
CH2 S11 LOG 5 dB/REF -17 dB 5:-3.0240 dB



CH1 Markers

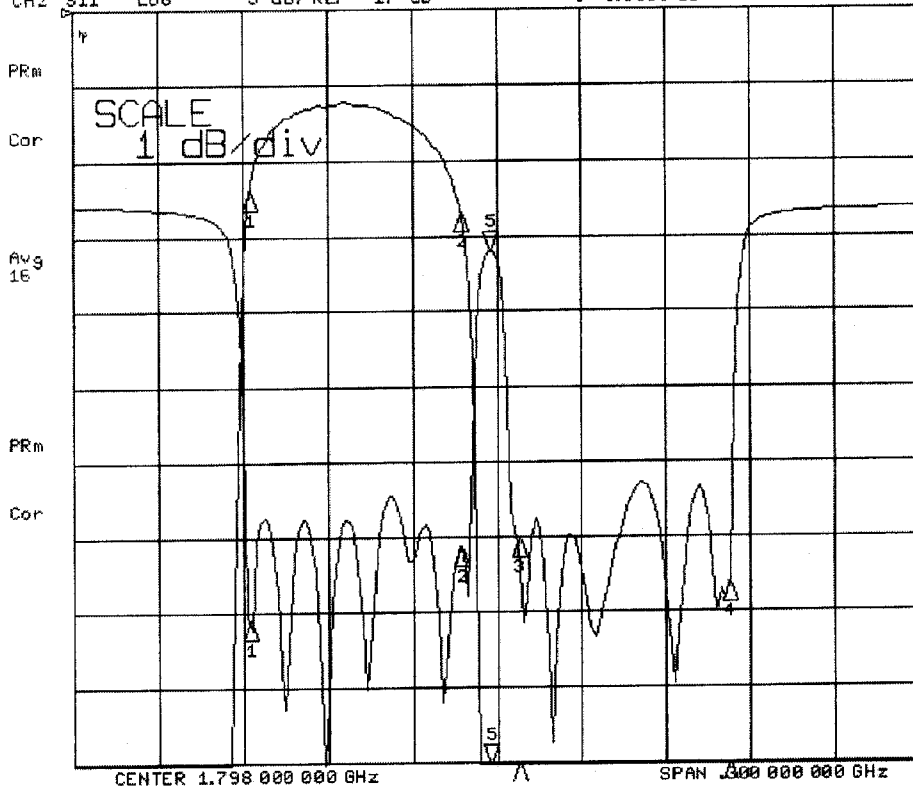
1:-2.4210 dB  
1.71000 GHz  
2:-2.7100 dB  
1.78500 GHz  
3:-75.066 dB  
1.80500 GHz  
4:-93.261 dB  
1.88000 GHz

CH2 Markers

1:-27.554 dB  
1.71000 GHz  
2:-22.744 dB  
1.78500 GHz  
3:-22.158 dB  
1.80500 GHz  
4:-25.090 dB  
1.88000 GHz

17 Jul 2003 07:25:01

CH1 S21 LOG 1 dB/REF 0 dB 5:-24.782 dB 1.795000 000 GHz  
CH2 S11 LOG 5 dB/REF -17 dB 5:-3.0390 dB



CH1 Markers

1:-2.4130 dB  
1.71000 GHz  
2:-2.7050 dB  
1.78500 GHz  
3:-75.383 dB  
1.80500 GHz  
4:-91.883 dB  
1.88000 GHz

CH2 Markers

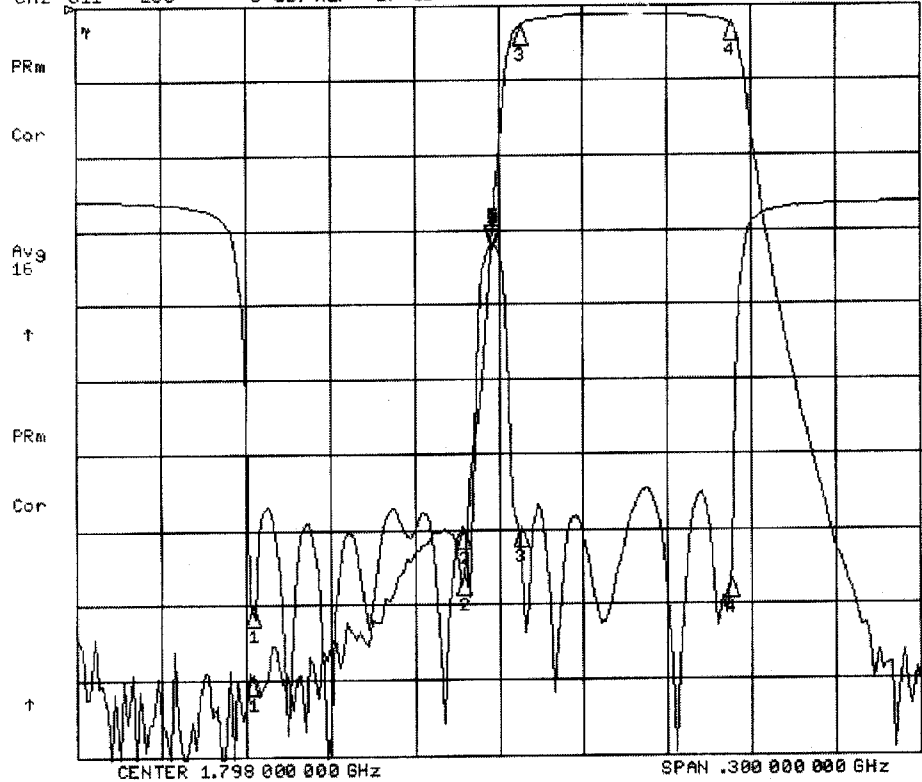
1:-27.557 dB  
1.71000 GHz  
2:-22.757 dB  
1.78500 GHz  
3:-22.140 dB  
1.80500 GHz  
4:-25.107 dB  
1.88000 GHz

CD17951750K-B-B5

D.L.

17 Jul 2003 07:24:21

CH1 S21 L06 10 dB/REF 0 dB 5:-32.411 dB 1.795000000 GHz  
 CH2 S11 L06 5 dB/REF -17 dB 5:-3.0350 dB

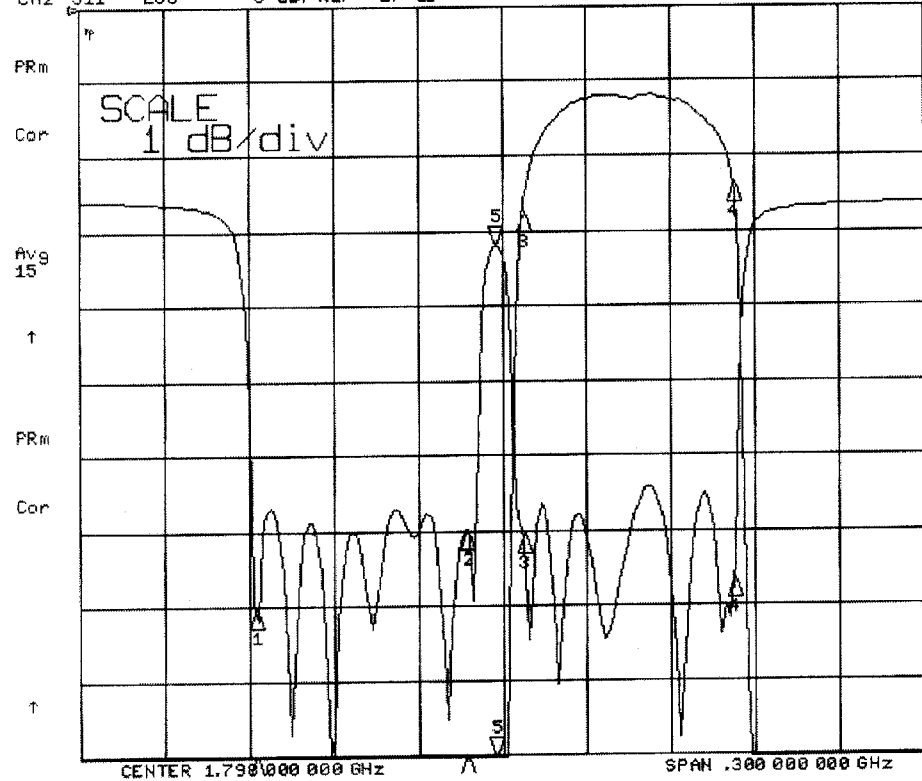


CH1 Markers  
 1:-89.551 dB  
 1.71000 GHz  
 2:-76.258 dB  
 1.78500 GHz  
 3:-2.7710 dB  
 1.80500 GHz  
 4:-2.3810 dB  
 1.88000 GHz

CH2 Markers  
 1:-27.147 dB  
 1.71000 GHz  
 2:-21.989 dB  
 1.78500 GHz  
 3:-21.919 dB  
 1.80500 GHz  
 4:-25.420 dB  
 1.88000 GHz

17 Jul 2003 07:24:40

CH1 S21 L06 1 dB/REF 0 dB 5:-32.440 dB 1.795000000 GHz  
 CH2 S11 L06 5 dB/REF -17 dB 5:-3.0330 dB



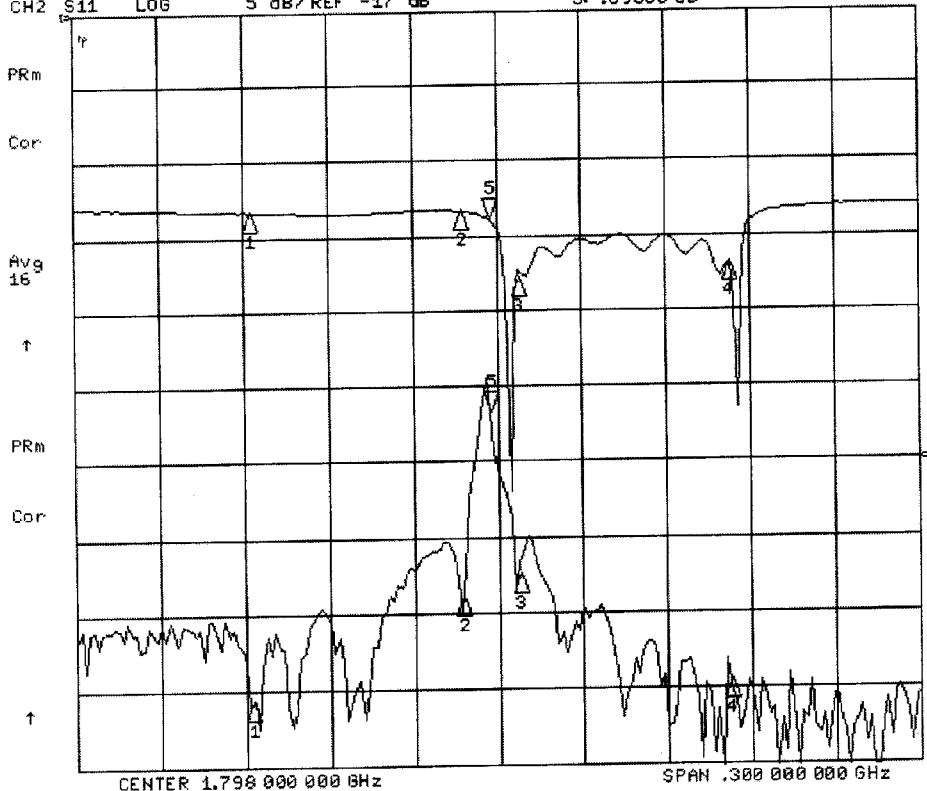
CH1 Markers  
 1:-87.121 dB  
 1.71000 GHz  
 2:-75.994 dB  
 1.78500 GHz  
 3:-2.7650 dB  
 1.80500 GHz  
 4:-2.3760 dB  
 1.88000 GHz

CH2 Markers  
 1:-27.123 dB  
 1.71000 GHz  
 2:-22.058 dB  
 1.78500 GHz  
 3:-22.218 dB  
 1.80500 GHz  
 4:-25.323 dB  
 1.88000 GHz

CD1795/750K-B-B5

17 Jul 2003 07:25:25

CH1 S21 LOG 10 dB/REF 0 dB 5:-53.416 dB 1.795 000 000 GHz  
 CH2 S11 LOG 5 dB/REF -17 dB 5:-89.600 dB



Isol  
OPEN

CH1 Markers

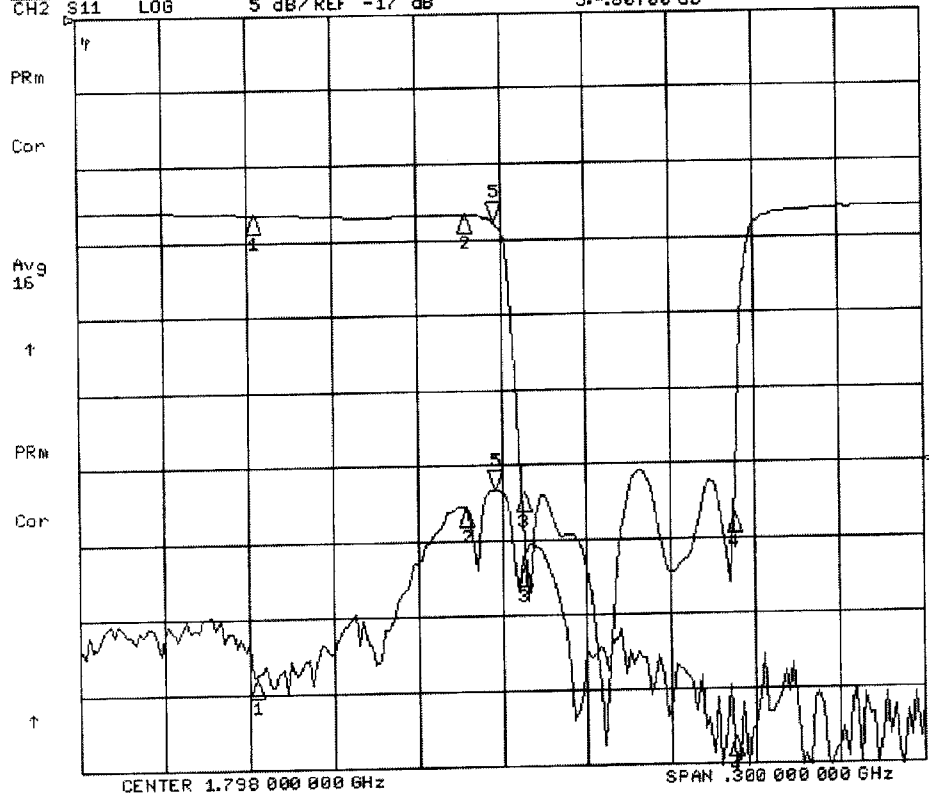
- 1:-91.369 dB  
1.71000 GHz
- 2:-77.786 dB  
1.78500 GHz
- 3:-74.720 dB  
1.80500 GHz
- 4:-89.013 dB  
1.88000 GHz

CH2 Markers

- 1:-36.500 dB  
1.71000 GHz
- 2:-34.900 dB  
1.78500 GHz
- 3:-4.8130 dB  
1.80500 GHz
- 4:-3.9010 dB  
1.88000 GHz

17 Jul 2003 07:26:54

CH1 S21 LOG 10 dB/REF 0 dB 5:-63.243 dB 1.795 000 000 GHz  
 CH2 S11 LOG 5 dB/REF -17 dB 5:-80.700 dB



Isol @ closed  
50Ω

CH1 Markers

- 1:-88.173 dB  
1.71000 GHz
- 2:-65.780 dB  
1.78500 GHz
- 3:-73.643 dB  
1.80500 GHz
- 4:-98.429 dB  
1.88000 GHz

CH2 Markers

- 1:-21.500 dB  
1.71000 GHz
- 2:-37.200 dB  
1.78500 GHz
- 3:-18.904 dB  
1.80500 GHz
- 4:-20.400 dB  
1.88000 GHz