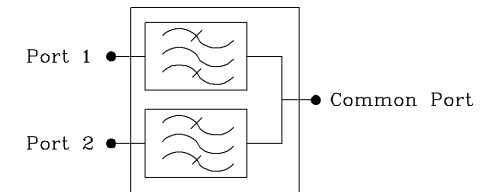
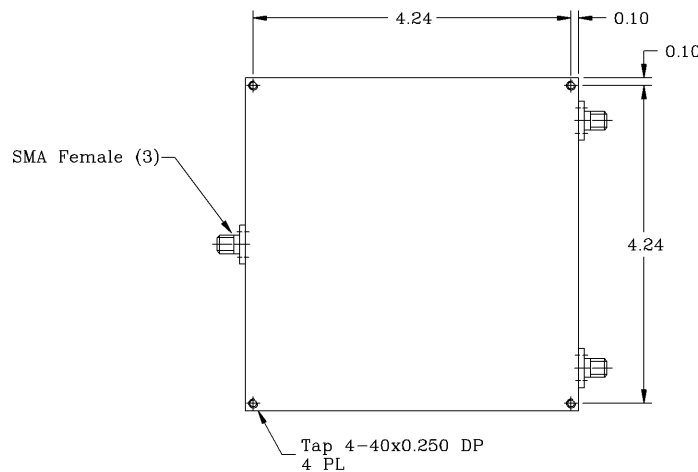
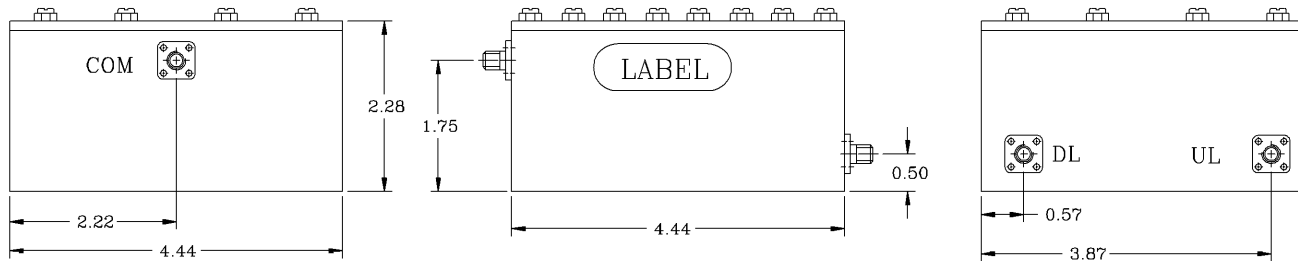


REVISIONS			
REV		DATE	APPROVED



### Electrical Specifications

- \*DL Pass Band Range [MHz] : 763 to 775
- \*UL Pass Band Range [MHz] : 793 to 805
- \*Pass Band Insertion Loss @ Fo [dB] : <1.3, 1.2 (Typ.)
- \*Pass Band Ripple [dB] : < 0.5 P-T-P
- \*DL Band Rejection @ 793 to 805 MHz [dB] : 85 (Min.), 90 (Typ.)
- @ 759 & 779 MHz [dB] : 18 (Min.), 20 (Typ.)
- \*UL Band Rejection @ 763 to 775 MHz [dB] : 90 (Min.), 92 (Typ.)
- @ 789 & 809 MHz [dB] : 20 (Min.), 22 (Typ.)
- \*Isolation between Filters [dB] : 90 (Min.), 92 (Typ.)
- \*Pass Band Return Loss [dB] : -18 (Max.), <1.28:1
- \*Input/Output Impedance : 50 ohm
- \*RF Power Capability CW : 20 Watts
- \*Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -30°C TO +75°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:

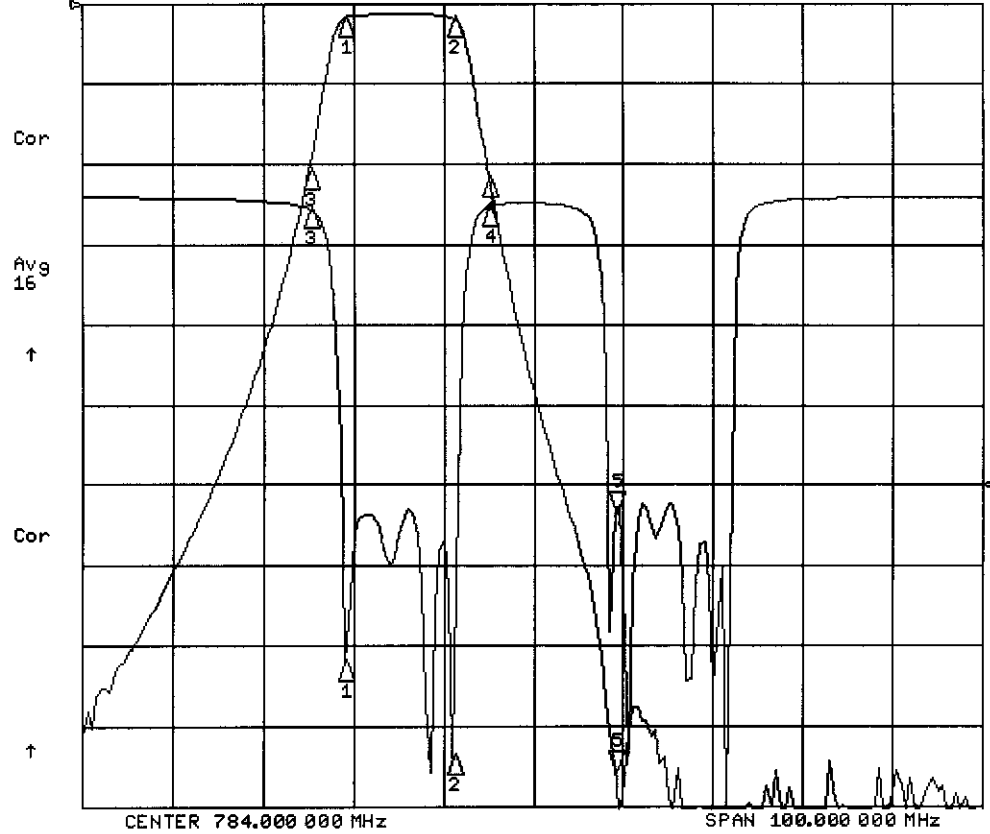
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:  
EPOXY GRAY - OPTIONAL

DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		<b>G-Way Microwave</b>			
ANGLES	DECIMALS	APPROVALS	DATE				
± 1°	.X ± .05 .XX ± .01 .XXX ± .003	DRAWN	03/11	PS7 Diplexer		REV.	
TREATMENT	CHECKED	Segal		CD784/12SK-B1		0	
FINISH	ENG.	DESIGN ACTIVITY		SIZE	CAGE CODE	DWG NO:	
	63/			A	3K1H4	CD784/12SK-B1	
MATERIAL				SCALE	None		SHEET 1 OF 1

CD784/125K-B1

5 Apr 2011 16:31:02

CH1 S21 LOG 10 dB/REF 0 dB 5i-95.692 dB 793.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5i-19.757 dB



CH1 Markers

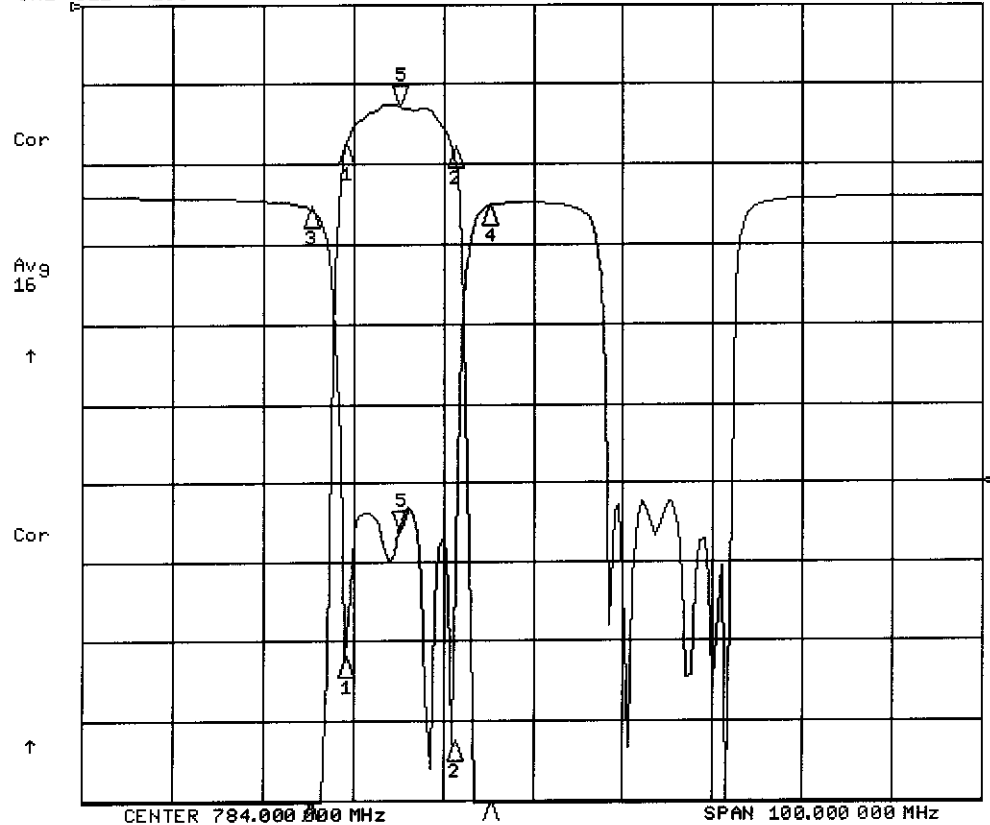
- 1i-1.7670 dB  
763.000 MHz
- 2i-1.8043 dB  
775.000 MHz
- 3i-20.682 dB  
759.000 MHz
- 4i-21.735 dB  
779.000 MHz

CH2 Markers

- 1i-26.880 dB  
763.000 MHz
- 2i-34.766 dB  
775.000 MHz
- 3i-.80290 dB  
759.000 MHz
- 4i-.66510 dB  
779.000 MHz

5 Apr 2011 16:31:10

CH1 S21 LOG 1 dB/REF 0 dB 5i-1.2718 dB 769.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5i-21.129 dB



CH1 Markers

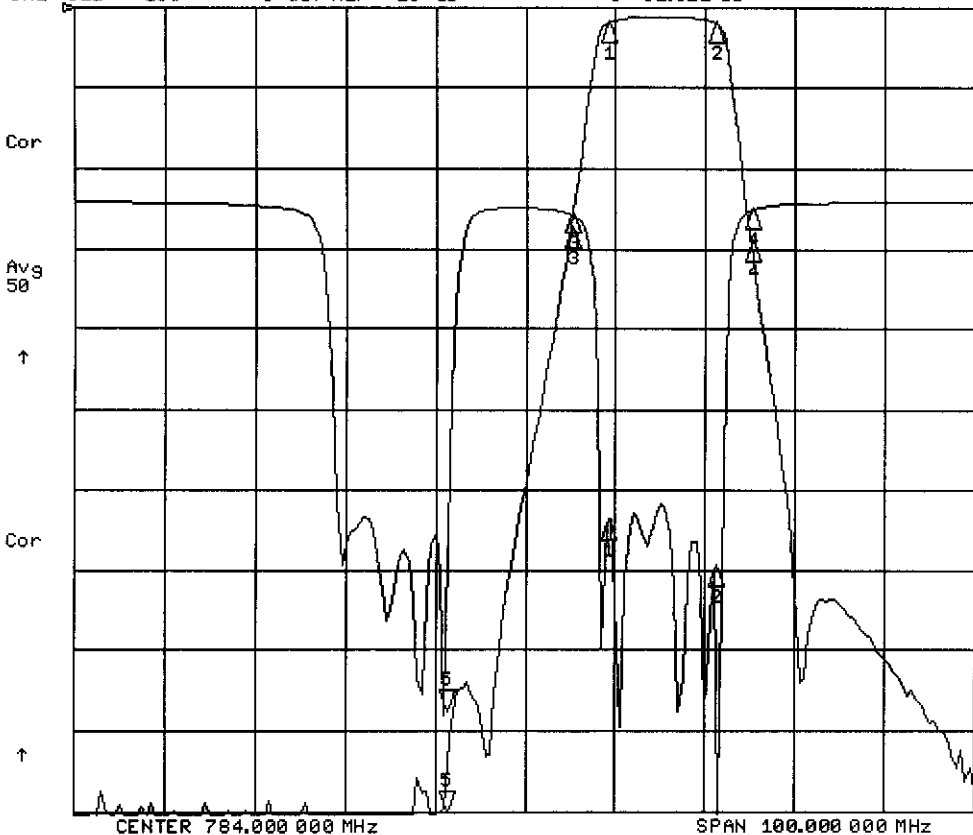
- 1i-1.7676 dB  
763.000 MHz
- 2i-1.8078 dB  
775.000 MHz
- 3i-20.684 dB  
759.000 MHz
- 4i-21.728 dB  
779.000 MHz

CH2 Markers

- 1i-29.882 dB  
763.000 MHz
- 2i-34.314 dB  
775.000 MHz
- 3i-.79860 dB  
759.000 MHz
- 4i-.66460 dB  
779.000 MHz

5 Apr 2011 16:28:23

CH1 S21 LOG 10 dB/REF 0 dB 5:-100.08 dB 775.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 5:-31.821 dB



CH1 Markers

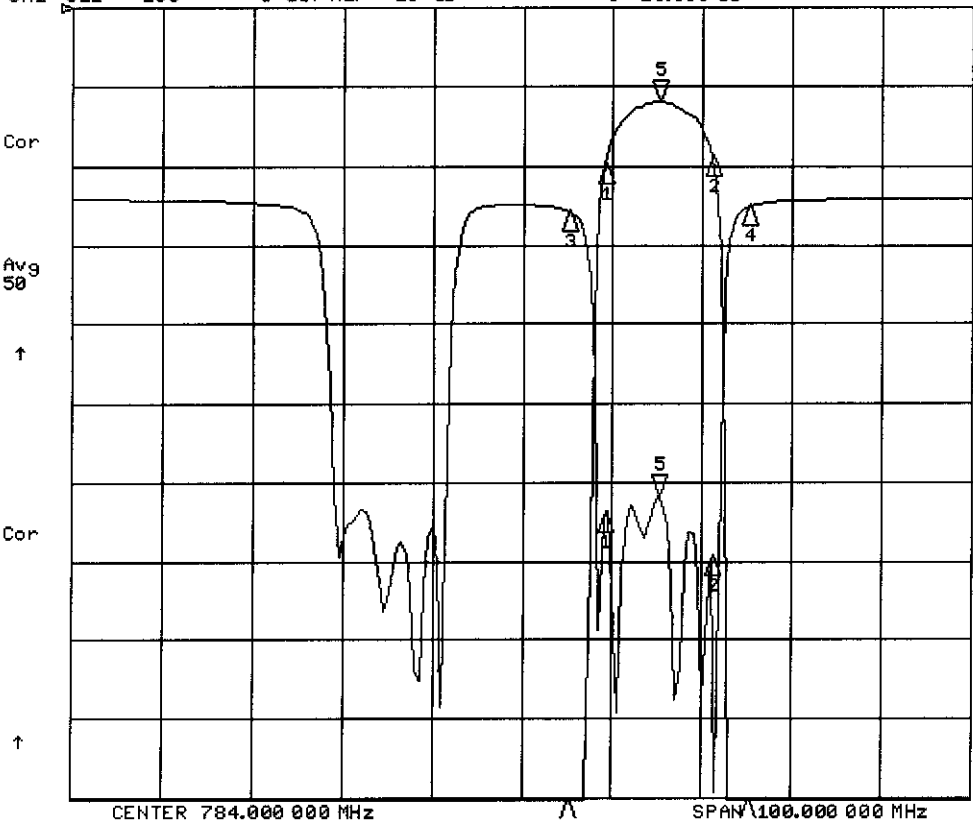
1:-1.9649 dB  
793.000 MHz  
2:-1.8894 dB  
805.000 MHz  
3:-27.462 dB  
789.000 MHz  
4:-29.166 dB  
809.000 MHz

CH2 Markers

1:-19.899 dB  
793.000 MHz  
2:-22.787 dB  
805.000 MHz  
3:-.83520 dB  
789.000 MHz  
4:-.58560 dB  
809.000 MHz

5 Apr 2011 16:28:33

CH1 S21 LOG 1 dB/REF 0 dB 5:-1.1883 dB 799.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 5:-18.806 dB



CH1 Markers

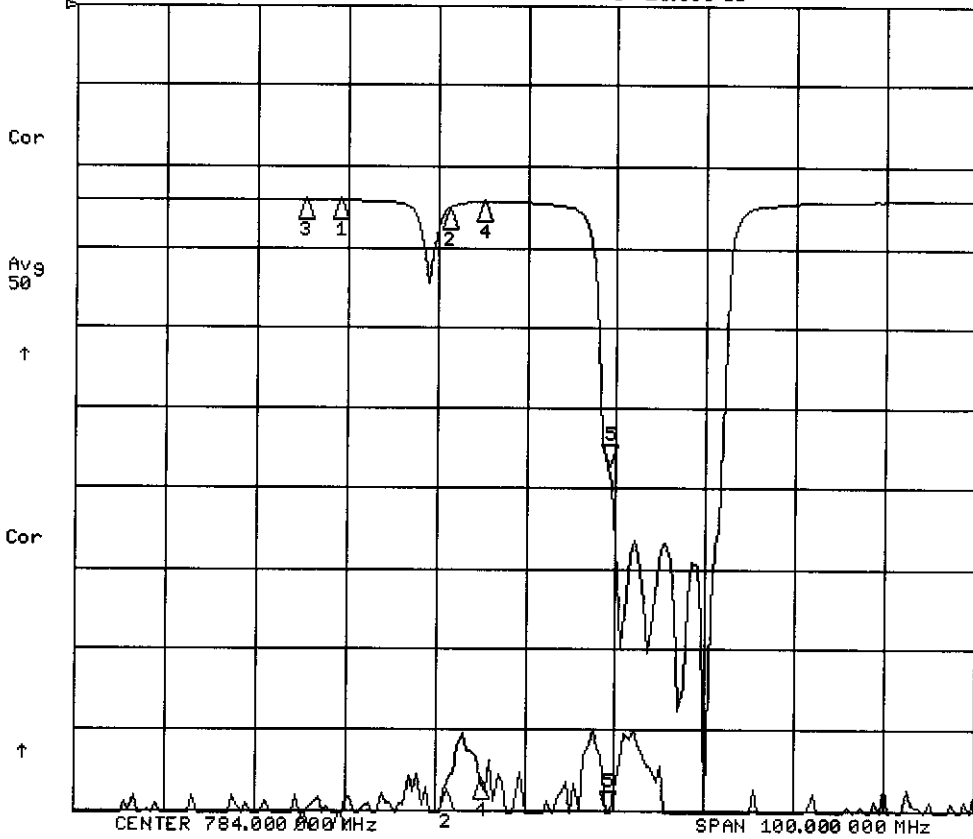
1:-1.9653 dB  
793.000 MHz  
2:-1.8895 dB  
805.000 MHz  
3:-27.478 dB  
789.000 MHz  
4:-29.159 dB  
809.000 MHz

CH2 Markers

1:-19.940 dB  
793.000 MHz  
2:-22.704 dB  
805.000 MHz  
3:-.83760 dB  
789.000 MHz  
4:-.58460 dB  
809.000 MHz

5 Apr 2011 16:32:12

CH1 S21 LOG 10 dB/REF 0 dB 5: -104.25 dB 793.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 5: -16.695 dB



CH1 Markers

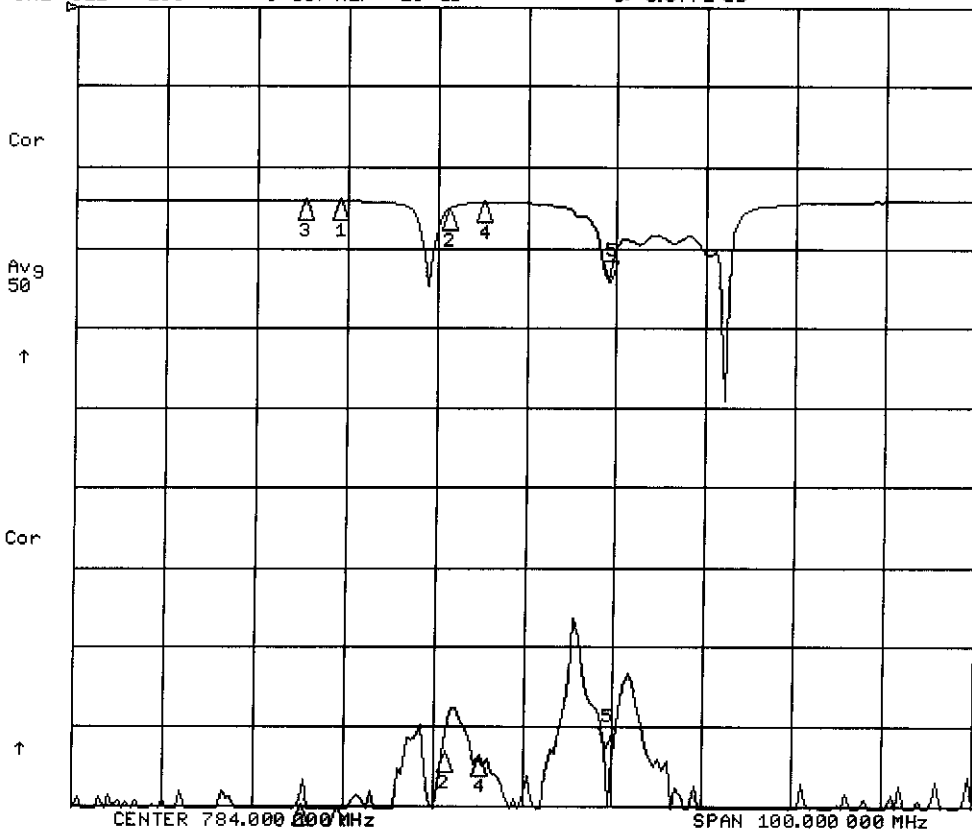
- 1: -102.17 dB  
763.000 MHz
- 2: -97.798 dB  
775.000 MHz
- 3: -104.34 dB  
759.000 MHz
- 4: -96.278 dB  
779.000 MHz

CH2 Markers

- 1: -.07810 dB  
763.000 MHz
- 2: -.63220 dB  
775.000 MHz
- 3: -.05550 dB  
759.000 MHz
- 4: -.18170 dB  
779.000 MHz

5 Apr 2011 16:32:22

CH1 S21 LOG 10 dB/REF 0 dB 5: -92.756 dB 793.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 5: -5.0771 dB



CH1 Markers

- 1: -100.59 dB  
763.000 MHz
- 2: -93.306 dB  
775.000 MHz
- 3: -100.07 dB  
759.000 MHz
- 4: -93.828 dB  
779.000 MHz

CH2 Markers

- 1: -.07740 dB  
763.000 MHz
- 2: -.63690 dB  
775.000 MHz
- 3: -.05540 dB  
759.000 MHz
- 4: -.18260 dB  
779.000 MHz