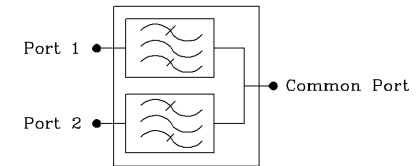
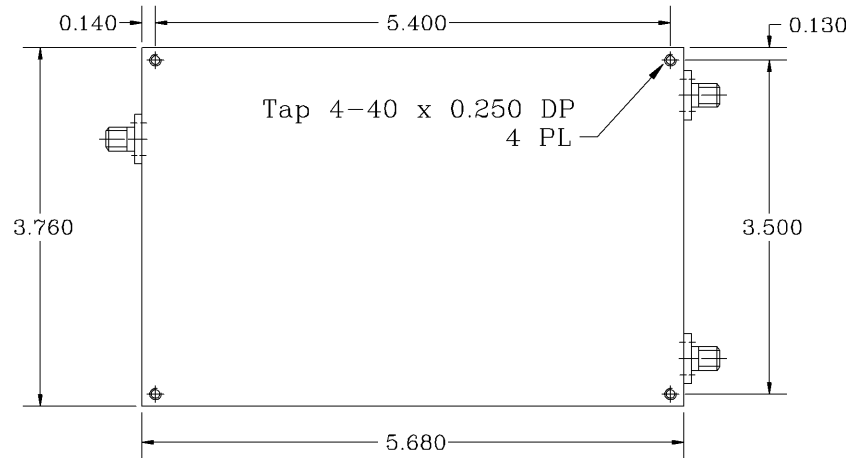
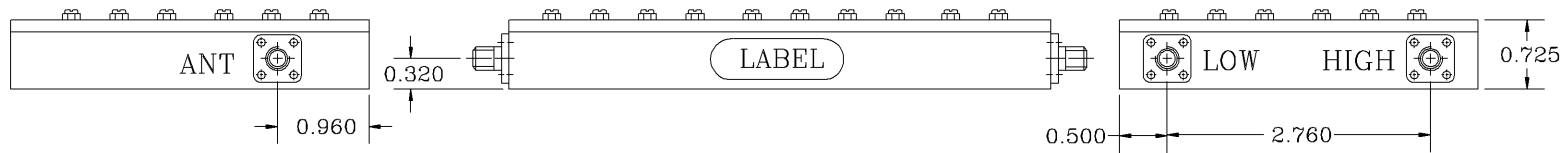


REVISIONS			
REV		DATE	APPROVED



*ELECTRICAL SPECIFICATIONS:*

- \*1dB Low Pass Band Range [MHz] : 4415 to 4525
- \*1dB High Pass Band Range [MHz] : 4630 to 5120
- \*Pass Band Insertion Loss Low [dB] : <0.9
- \*Pass Band Insertion Loss High [dB] : <0.5, 0.4 (Typ.)
- \*Pass Band Ripple [dB] : <0.4 P-T-P
- \*Low Band Attenuation DC to 4360 MHz [dB] : 50 (Min.)
- 4630 to 5120 MHz [dB] : 100 (Min.), 115 (Typ.)
- 5300 to 6000 MHz [dB] : 80 (Min.)
- \*High Band Attenuation DC to 4525 MHz [dB] : 100 (Min.), 115 (Typ.)
- 5300 to 6000 MHz [dB] : 80 (Min.)
- \*Isolation between filters [dB] : 100 (Min.), 115 (Typ.)
- \*Pass Band Return Loss [dB] : -16 (Max.), <1.38:1
- \*Input/Output Impedance : 50 ohm
- \*RF Power Capability CW : 50 Watts
- \*IM products, IM3 [dBc] : 146 (Max.)
- \*Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -35°C TO +85°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.

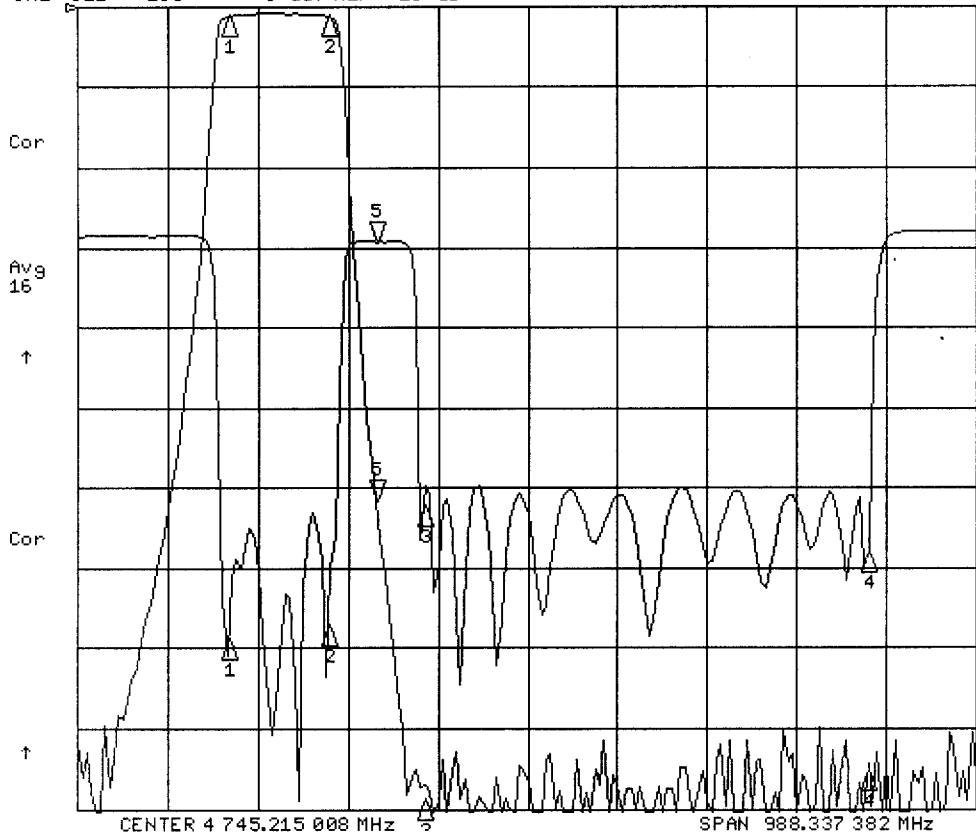
NOTES:

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

DIMENSIONS ARE IN INCHES TOLERANCES ARE DECIMALS		CONTRACT NO:		<b>G-Way Microwave</b>	
± 1°	X ± .05 XX ± .01 XXX ± .003	APPROVALS	DATE		
TREATMENT	CHECKED	DRAWN	Segal	01/08	Diplexer 4577 MHz CD4577/490MK-B2
FINISH 63/	ENG.	DESIGN ACTIVITY			SIZE CAGE CODE DWG NO: A 3K1H4 CD4577/490MK-B2-1
MATERIAL AL6061-T6					REV. 0 SCALE None SHEET 1 OF 1

21 Feb 2008 08:53:55

CH1 S21 LOG 10 dB/REF 0 dB 5:-61.535 dB 4 577.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -16 dB 5:-.63950 dB



CH1 Markers

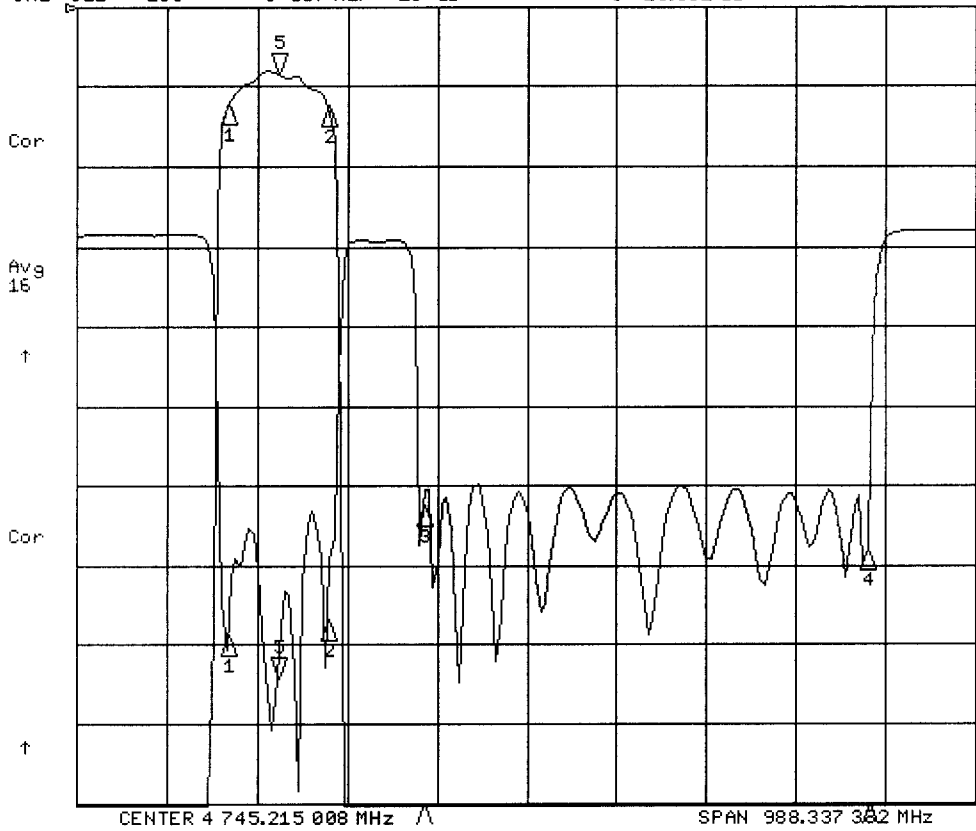
- 1:-1.2423 dB  
4.41500 GHz
- 2:-1.2482 dB  
4.52500 GHz
- 3:-98.847 dB  
4.63000 GHz
- 4:-95.232 dB  
5.12000 GHz

CH2 Markers

- 1:-25.474 dB  
4.41500 GHz
- 2:-24.595 dB  
4.52500 GHz
- 3:-17.129 dB  
4.63000 GHz
- 4:-20.084 dB  
5.12000 GHz

21 Feb 2008 08:54:21

CH1 S21 LOG 1 dB/REF 0 dB 5:-.84090 dB 4 470.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -16 dB 5:-28.092 dB



CH1 Markers

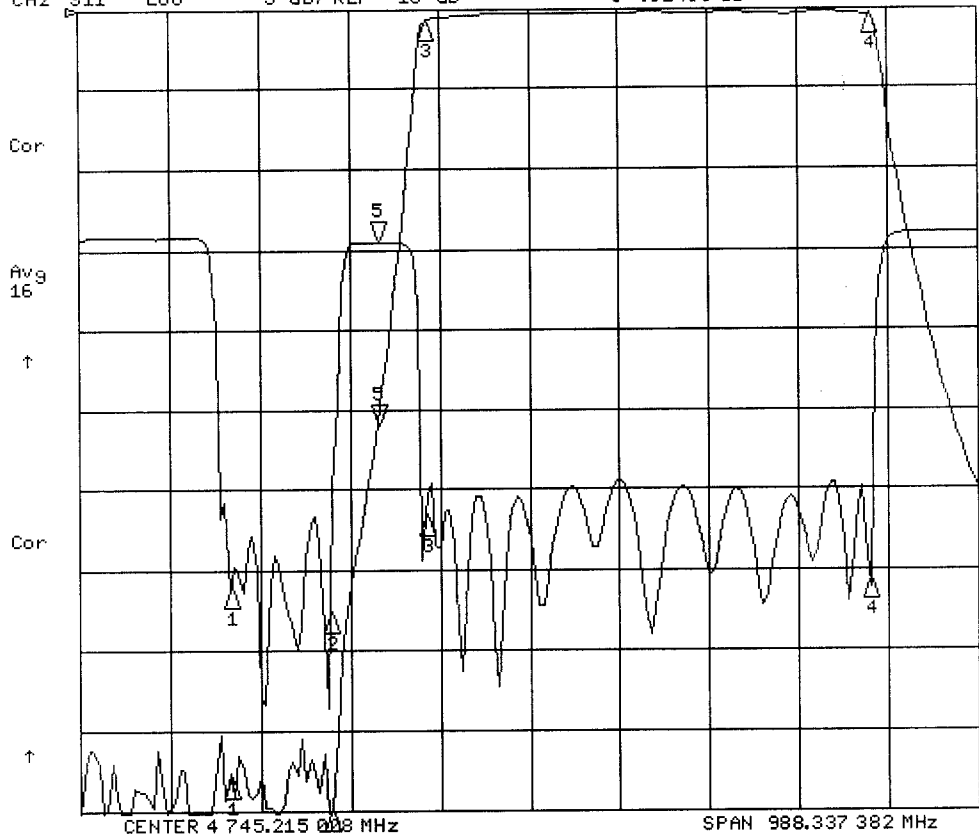
- 1:-1.2350 dB  
4.41500 GHz
- 2:-1.2463 dB  
4.52500 GHz
- 3:-92.501 dB  
4.63000 GHz
- 4:-95.130 dB  
5.12000 GHz

CH2 Markers

- 1:-25.458 dB  
4.41500 GHz
- 2:-24.505 dB  
4.52500 GHz
- 3:-17.312 dB  
4.63000 GHz
- 4:-20.059 dB  
5.12000 GHz

21 Feb 2008 08:49:52

CH1 S21 LOG 10 dB/REF 0 dB 5: -51.896 dB 4 577.000 000 MHz  
CH2 S11 LOG 5 dB/REF -16 dB 5: -62.400 dB



CH1 Markers

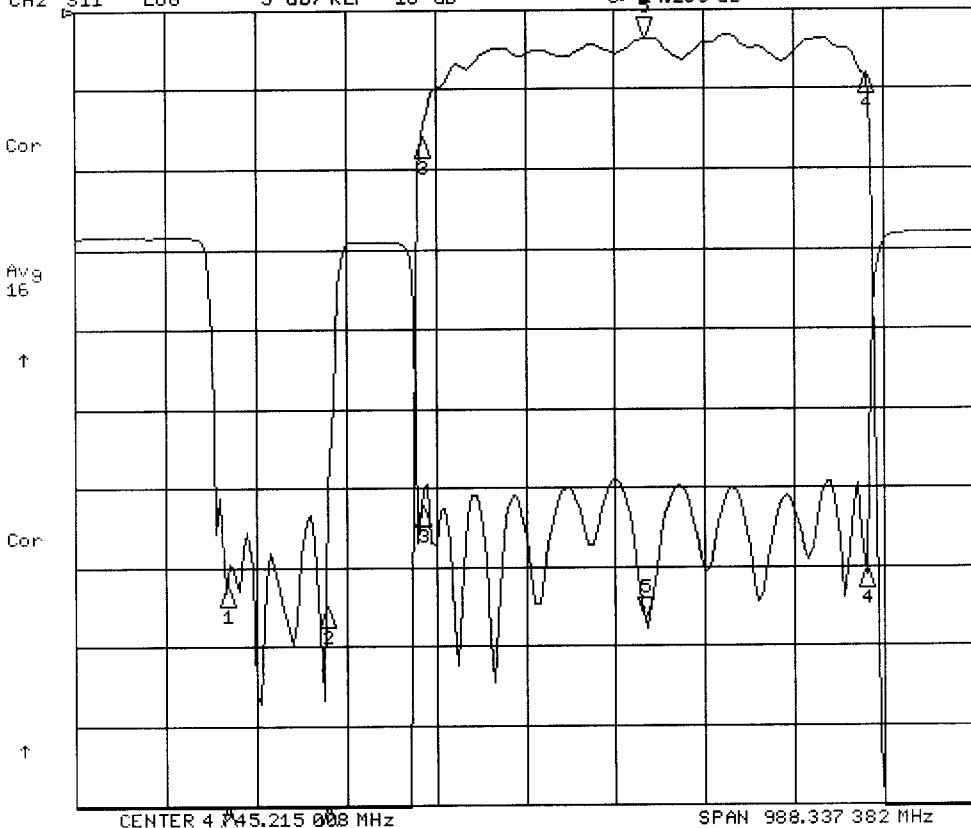
- 1: -95.934 dB  
4.41500 GHz
- 2: -107.26 dB  
4.52500 GHz
- 3: -1.5978 dB  
4.63000 GHz
- 4: -81.430 dB  
5.12000 GHz

CH2 Markers

- 1: -22.101 dB  
4.41500 GHz
- 2: -23.598 dB  
4.52500 GHz
- 3: -17.656 dB  
4.63000 GHz
- 4: -21.663 dB  
5.12000 GHz

21 Feb 2008 08:50:30

CH1 S21 LOG 1 dB/REF 0 dB 5: -36.950 dB 4 875.000 000 MHz  
CH2 S11 LOG 5 dB/REF -16 dB 5: -24.238 dB



CH1 Markers

- 1: -110.75 dB  
4.41500 GHz
- 2: -93.106 dB  
4.52500 GHz
- 3: -1.6029 dB  
4.63000 GHz
- 4: -82.160 dB  
5.12000 GHz

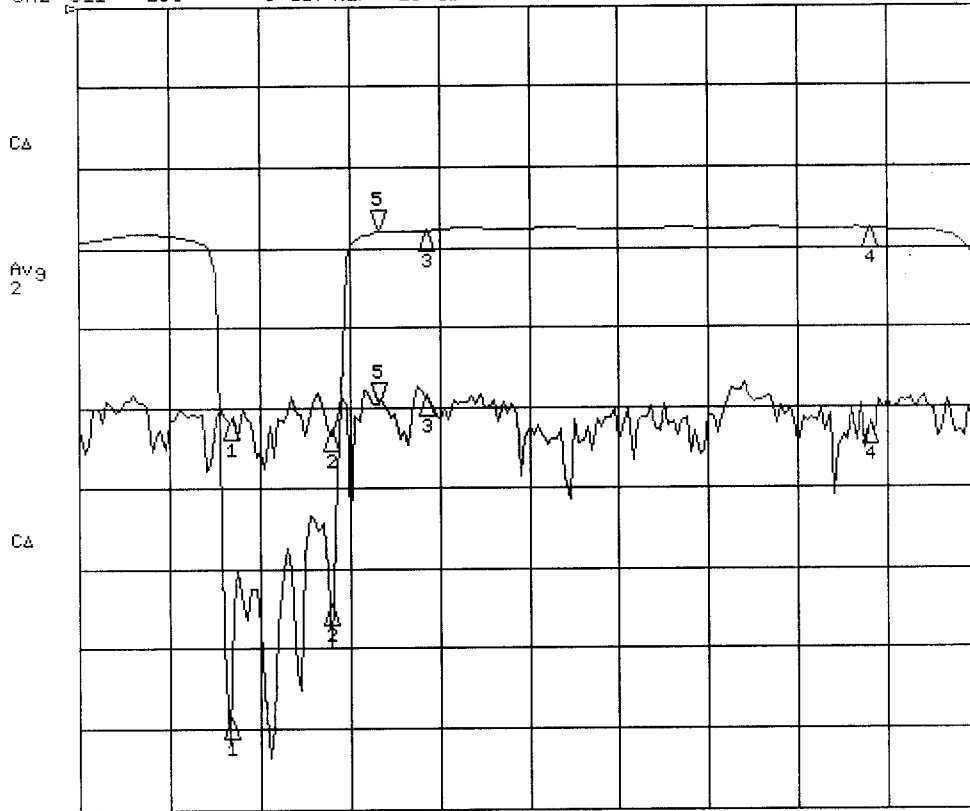
CH2 Markers

- 1: -22.251 dB  
4.41500 GHz
- 2: -23.503 dB  
4.52500 GHz
- 3: -17.163 dB  
4.63000 GHz
- 4: -21.148 dB  
5.12000 GHz

21 Feb 2008 09:22:07

CH1 S21 LOG 20 dB/REF 0 dB  
CH2 S11 LOG 5 dB/REF -16 dB

5: -99.375 dB 4 577.000 000 MHz  
5: -.01250 dB



CH1 Markers

- 1: -104.14 dB  
4.41500 GHz
- 2: -110.32 dB  
4.52500 GHz
- 3: -97.466 dB  
4.63000 GHz
- 4: -104.53 dB  
5.12000 GHz

CH2 Markers

- 1: -30.416 dB  
4.41500 GHz
- 2: -23.302 dB  
4.52500 GHz
- 3: .07320 dB  
4.63000 GHz
- 4: .17410 dB  
5.12000 GHz

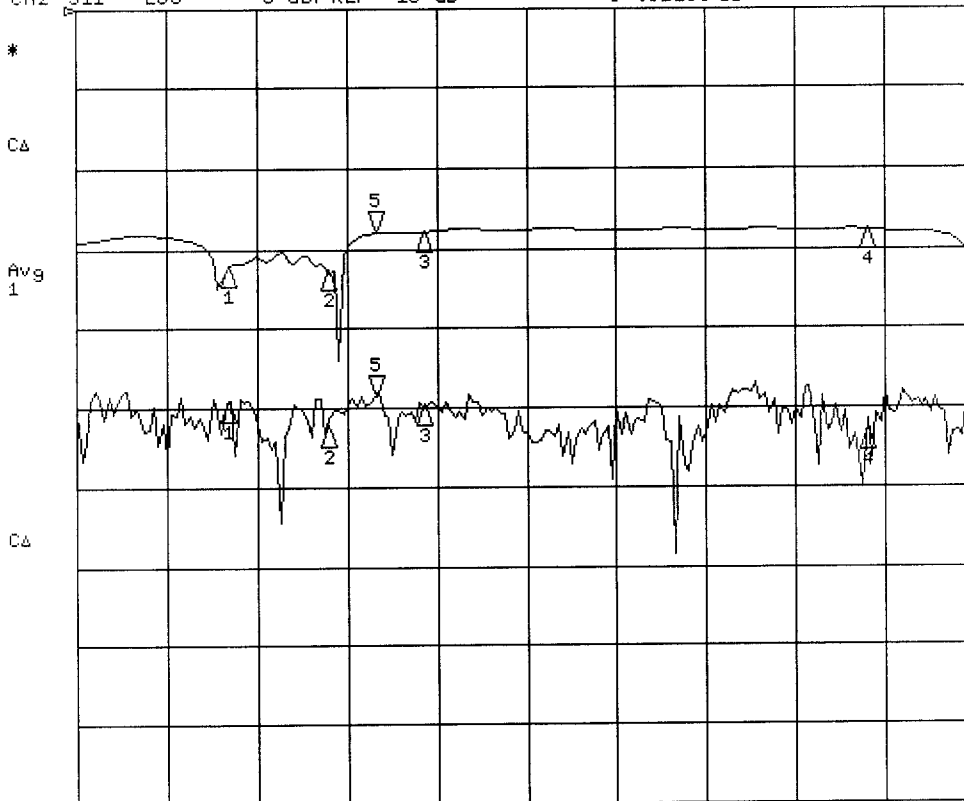
CENTER 4 745.215 008 MHz

SPAN 988.337 382 MHz

21 Feb 2008 09:22:34

CH1 S21 LOG 20 dB/REF 0 dB  
CH2 S11 LOG 5 dB/REF -16 dB

5: -97.116 dB 4 577.000 000 MHz  
5: -.01200 dB



CH1 Markers

- 1: -102.94 dB  
4.41500 GHz
- 2: -106.10 dB  
4.52500 GHz
- 3: -97.311 dB  
4.63000 GHz
- 4: -104.53 dB  
5.12000 GHz

CH2 Markers

- 1: -2.1876 dB  
4.41500 GHz
- 2: -23.298 dB  
4.52500 GHz
- 3: .07230 dB  
4.63000 GHz
- 4: .17410 dB  
5.12000 GHz

CENTER 4 745.215 008 MHz

SPAN 988.337 382 MHz