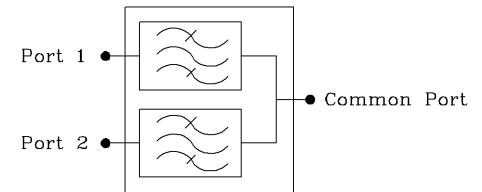
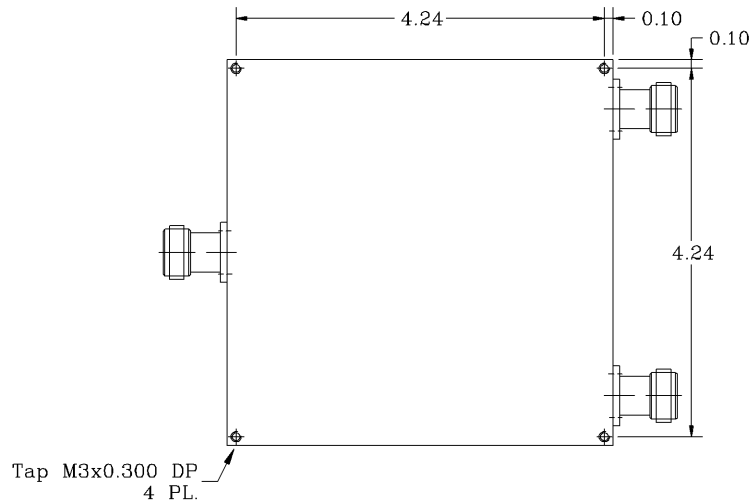
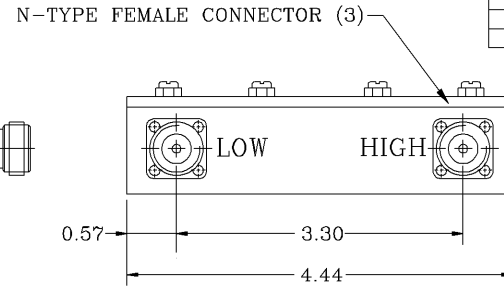
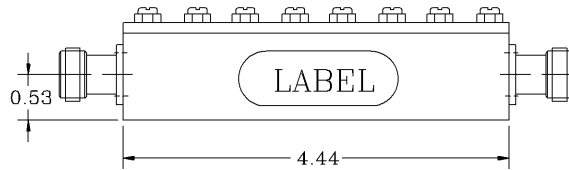
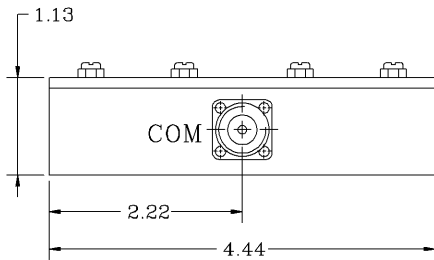


REVISIONS

REV	DATE	APPROVED



*Electrical Specifications*

- \*Low Pass Band Range [MHz] : 1920 to 1980
- \*High Pass Band Range [MHz] : 2110 to 2170
- \*Pass Band Insertion Loss [dB] : < 0.7, 0.6 Typ.
- \*Pass Band Ripple [dB] : < 0.4 P-T-P
- \*Low Attenuation @ 2110 to 2170 MHz [dB] : 90 (Min.), 95 (Typ.)
- Attenuation 1710 to 1880 MHz [dB] : 50 (Min.), 60 (Typ.)
- \*High Attenuation @ 1920 to 1980 MHz [dB] : 90 (Min.), 95 (Typ.)
- \*Isolation between filters [dB] : 90 (Min.), 95 (Typ.)
- \*Pass Band Return Loss [dB] : -18 (Max.), <1.28:1
- \*Input/Output Impedance : 50 ohm
- \*RF Power Capability CW : 30 Watts
- \*Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -20°C TO +80°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:

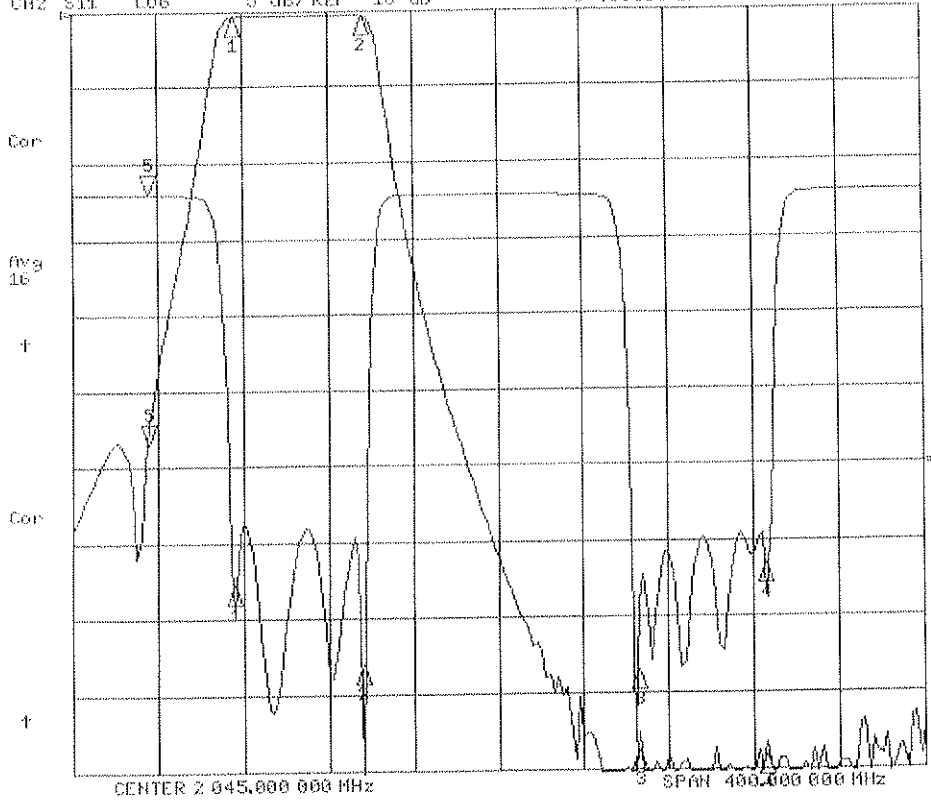
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:  
EPOXY GRAY - OPTIONAL

DIMENSIONS ARE IN INCHES TOLERANCES ARE ANGLES DECIMALS		CONTRACT NO:		<b>G-Way Microwave</b>				
± 1"	.X ± .05 .XX ± .01 .XXX ± .003	APPROVALS	DATE			TITLE	Diplexer AWS Full Band	
TREATMENT		DRAWN	Sivak	12/00	CD2045/60SK-B3			
FINISH	63/	CHECKED			SIZE	CAGE CODE	DWG NO:	REV.
MATERIAL		ENG.			A	3K1H4	CD2045/60SK-B3-1	0
		DESIGN ACTIVITY			SCALE	None		SHEET 1 OF 1

CD2045/603K-B3

31 Mar 2011 11:00:09

[CH1] S21 L06 10 dB/REF 0 dB 5f-56.988 dB 1.080.000 000 MHz  
 [CH2] S11 L06 5 dB/REF -18 dB 5f--05660 dB



CH1 Markers

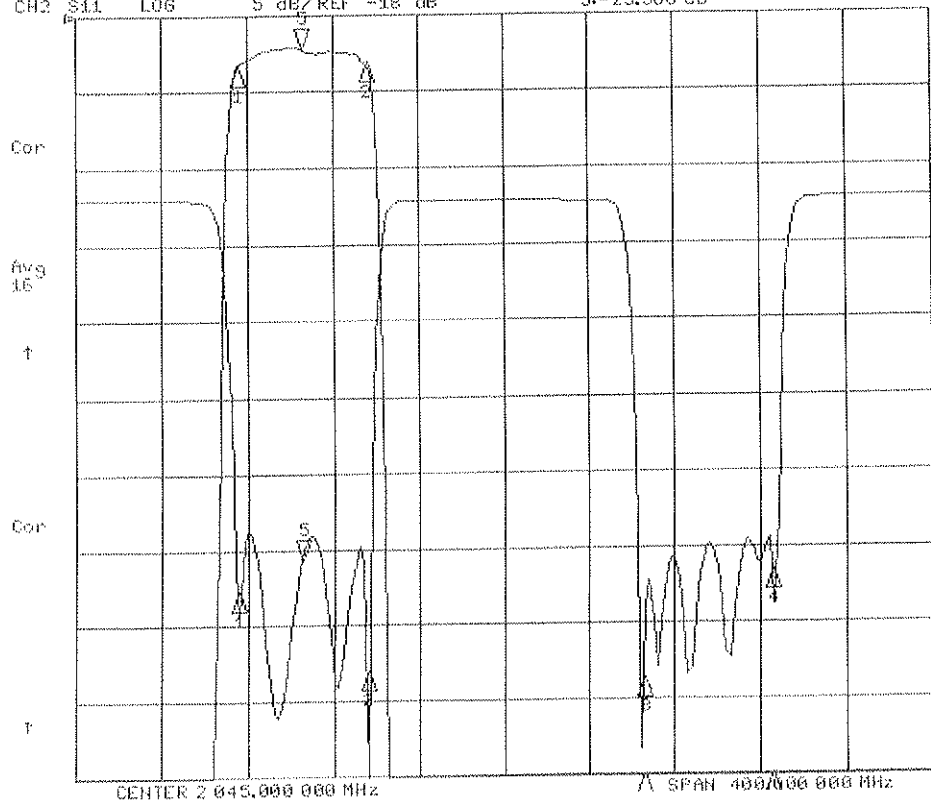
- 1f-66870 dB  
1.92000 GHz
- 2f-63420 dB  
1.98000 GHz
- 3f-103.87 dB  
2.11000 GHz
- 4f-99.647 dB  
2.17000 GHz

CH2 Markers

- 1f-25.792 dB  
1.92000 GHz
- 2f-31.087 dB  
1.98000 GHz
- 3f-31.601 dB  
2.11000 GHz
- 4f-24.568 dB  
2.17000 GHz

31 Mar 2011 11:00:22

[CH1] S21 L06 1 dB/REF 0 dB 5f--44150 dB 1.950.000 000 MHz  
 [CH2] S11 L06 5 dB/REF -18 dB 5f-23.588 dB



CH1 Markers

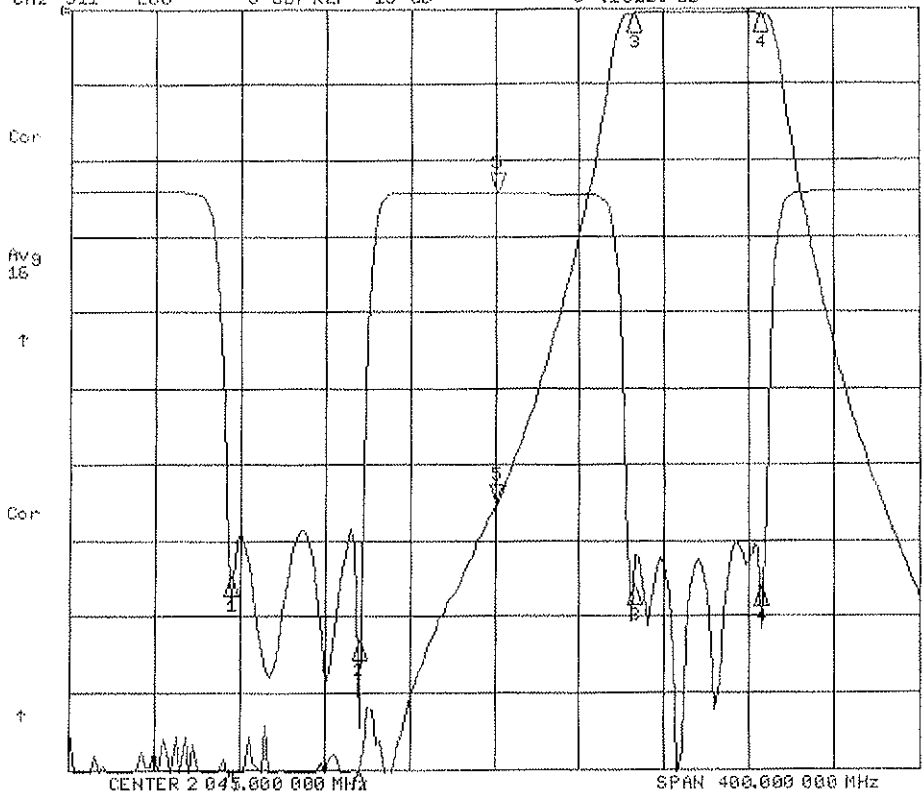
- 1f-66760 dB  
1.92000 GHz
- 2f-63600 dB  
1.98000 GHz
- 3f-102.31 dB  
2.11000 GHz
- 4f-114.05 dB  
2.17000 GHz

CH2 Markers

- 1f-25.831 dB  
1.92000 GHz
- 2f-31.162 dB  
1.98000 GHz
- 3f-31.634 dB  
2.11000 GHz
- 4f-24.599 dB  
2.17000 GHz

31 Mar 2011 11:09:37

CH1 S21 LOG 10 dB/REF 0 dB S:-65.384 dB 2 045.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB S:-13.220 dB



CH1 Markers

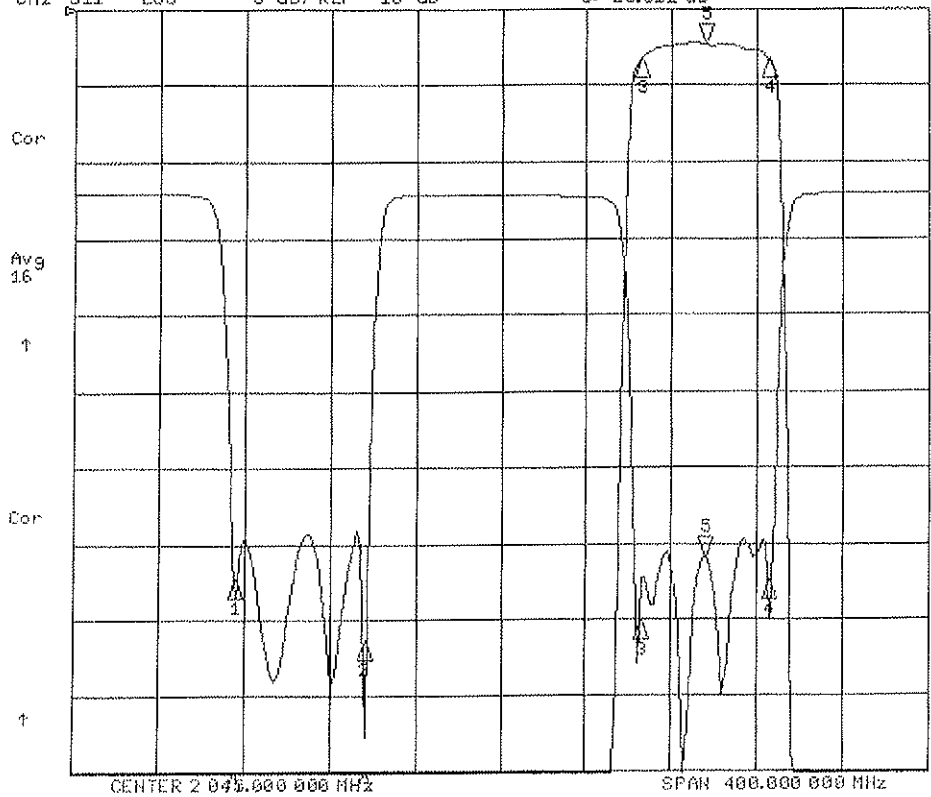
- 1:-107.86 dB  
1.92000 GHz
- 2:-101.96 dB  
1.98000 GHz
- 3:-65.490 dB  
2.11000 GHz
- 4:-65.150 dB  
2.17000 GHz

CH2 Markers

- 1:-25.429 dB  
1.92000 GHz
- 2:-29.639 dB  
1.98000 GHz
- 3:-26.047 dB  
2.11000 GHz
- 4:-26.148 dB  
2.17000 GHz

31 Mar 2011 11:11:02

CH1 S21 LOG 1 dB/REF 0 dB S:-46.520 dB 2 140.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB S:-23.812 dB



CH1 Markers

- 1:-102.46 dB  
1.92000 GHz
- 2:-99.900 dB  
1.98000 GHz
- 3:-64.690 dB  
2.11000 GHz
- 4:-64.990 dB  
2.17000 GHz

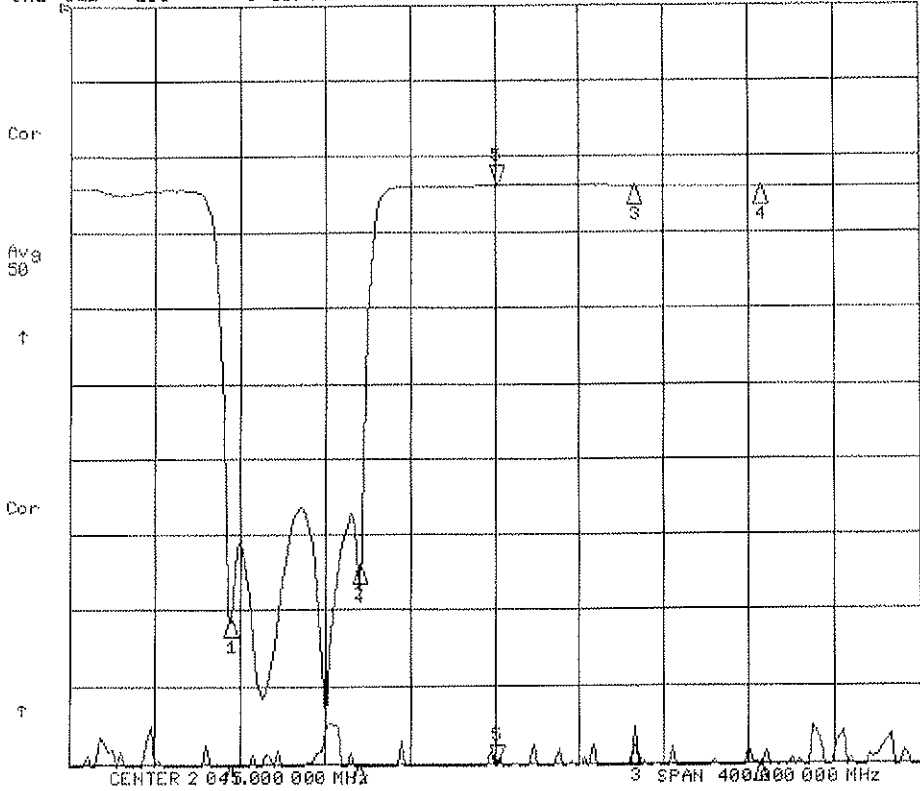
CH2 Markers

- 1:-25.382 dB  
1.92000 GHz
- 2:-29.431 dB  
1.98000 GHz
- 3:-28.064 dB  
2.11000 GHz
- 4:-25.430 dB  
2.17000 GHz

31 Mar 2011 11:11:40

CH1 S21 LOG 10 dB/REF 0 dB  
CH2 S11 LOG 5 dB/REF -18 dB

S1:-120.36 dB 2 045.000 000 MHz  
S1: .02100 dB



CH1 Markers

- 1:-104.32 dB  
1.92000 GHz
- 2:-105.31 dB  
1.98000 GHz
- 3:-103.12 dB  
2.11000 GHz
- 4:-100.89 dB  
2.17000 GHz

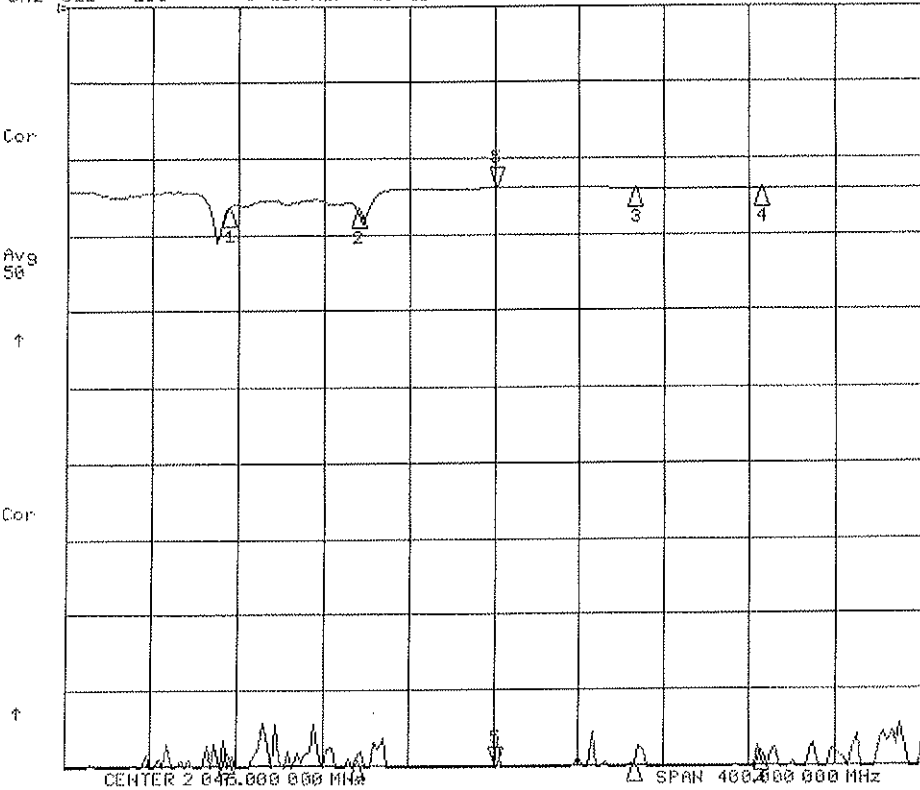
CH2 Markers

- 1:-28.565 dB  
1.92000 GHz
- 2:-25.025 dB  
1.98000 GHz
- 3:-00120 dB  
2.11000 GHz
- 4:-.01580 dB  
2.17000 GHz

31 Mar 2011 11:11:54

CH1 S21 LOG 10 dB/REF 0 dB  
CH2 S11 LOG 5 dB/REF -18 dB

S1:-105.98 dB 2 045.000 000 MHz  
S1: .02210 dB



CH1 Markers

- 1:-99.525 dB  
1.92000 GHz
- 2:-100.34 dB  
1.98000 GHz
- 3:-99.846 dB  
2.11000 GHz
- 4:-98.526 dB  
2.17000 GHz

CH2 Markers

- 1:-1.2042 dB  
1.92000 GHz
- 2:-1.3216 dB  
1.98000 GHz
- 3:-.00040 dB  
2.11000 GHz
- 4:-.01770 dB  
2.17000 GHz