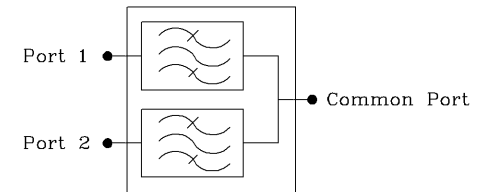
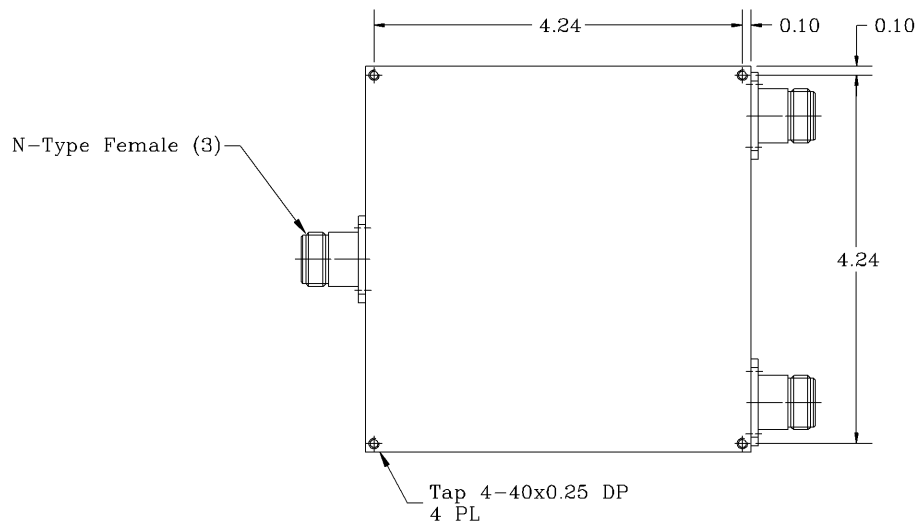


REVISIONS			
REV		DATE	APPROVED



### 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.)  
@ 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 : 80 Watts
- \*IM Products @ 2 x +33 dBm, IM3 [dBc] : -143 (Min.)  
@ 2 x +43 dBm, IM3 [dBc] : -133 (Typ.)
- \*Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -20°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.

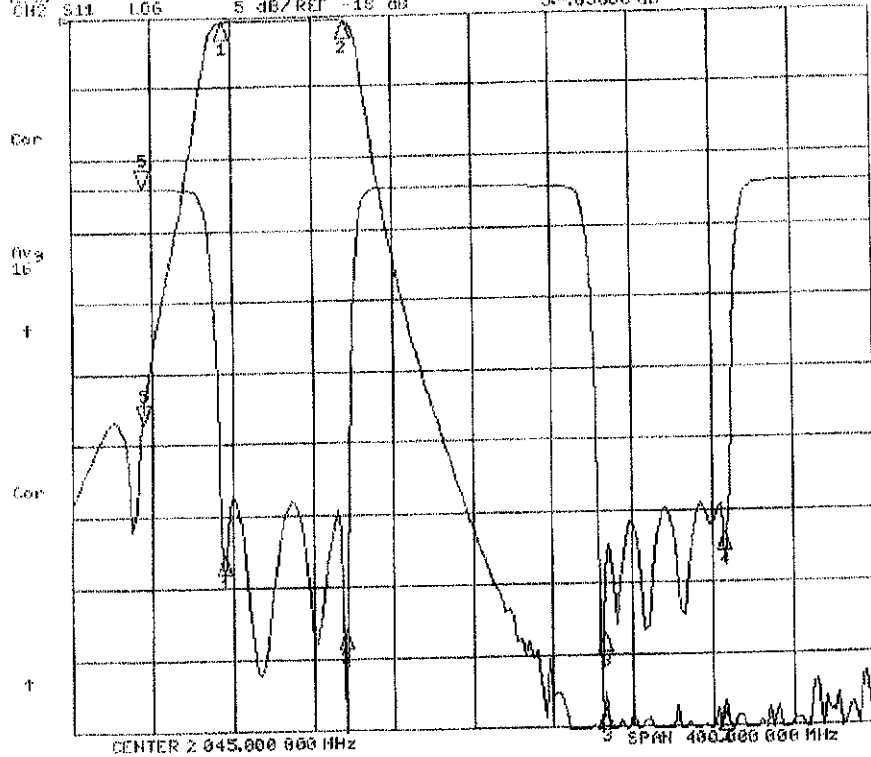
NOTES:

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

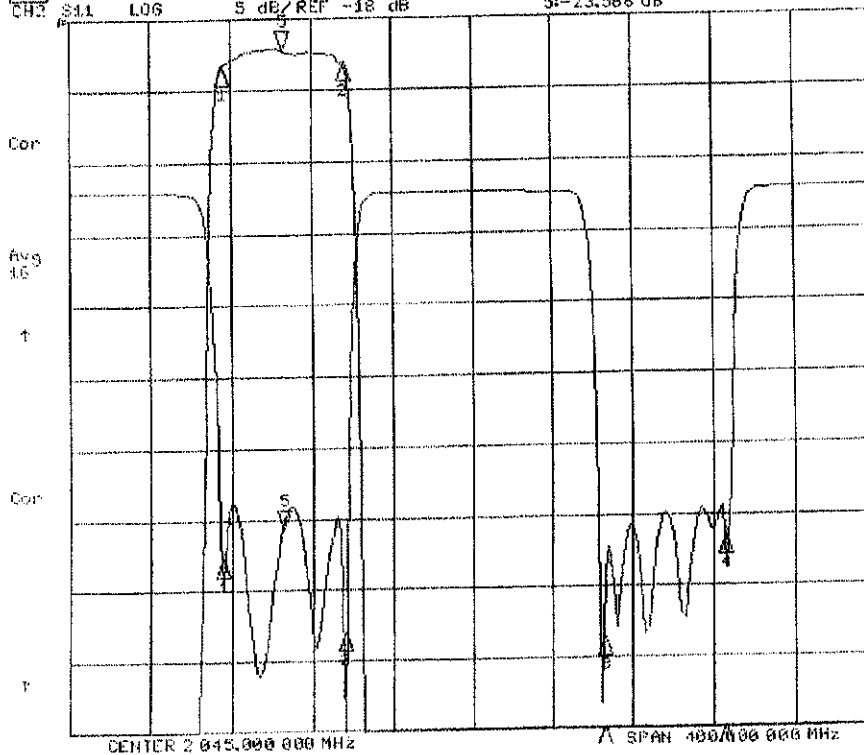
DIMENSIONS ARE IN INCHES TOLERANCES ARE ANGLES DECIMALS ± 1° .X ± .05 XX ± .01 .XXX ± .003		CONTRACT NO:		<b>G-Way Microwave</b>	
TREATMENT		APPROVALS	DATE		
FINISH 63/		DRAWN Sivak	12/00	SIZE A	CAGE CODE 3K1H4
MATERIAL		ENG. DESIGN ACTIVITY		DWG NO: CD2045/60MK-B3-1	REV. 0
				SCALE None	SHEET 1 OF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

CD2045/60MK-B3

31 Mar 2011 11:03:09  
 CH1 S21 LOG 1.0 dB/REF 0 dB S1-56.988 dB 1.92000 600 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB S1-23.95688 dB

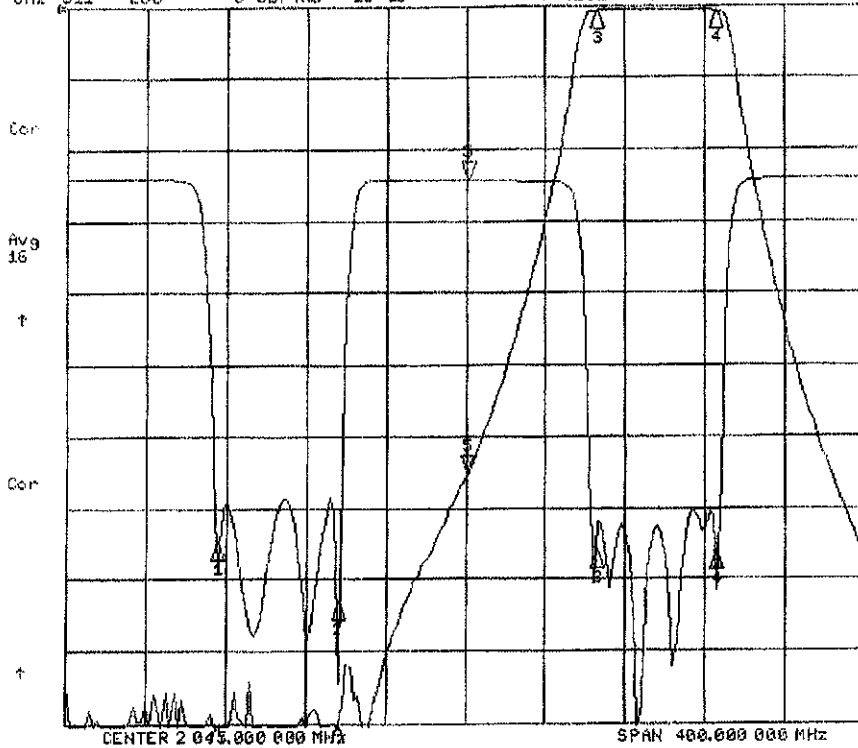


31 Mar 2011 11:08:22  
 CH1 S21 LOG 1 dB/REF 0 dB S1-44.150 dB 1.95000 600 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB S1-23.968 dB



31 Mar 2011 11:09:37

CH1 S21 LOG 10 dB/REF 0 dB 51--65.384 dB 2 045.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 51--13220 dB



CH1 Markers

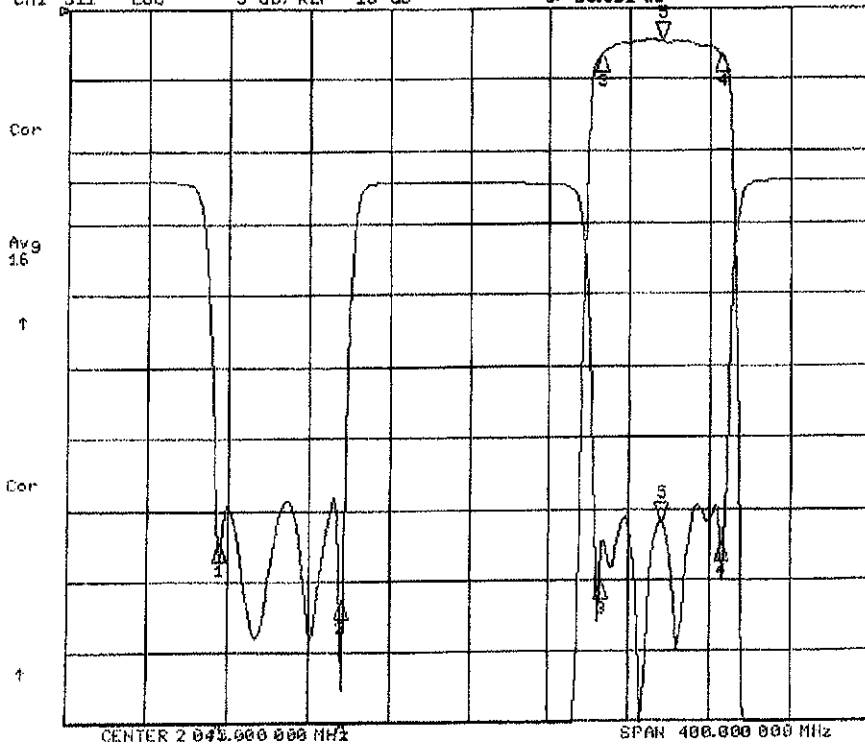
- 1--107.06 dB  
1.92000 GHz
- 2--161.96 dB  
1.98000 GHz
- 3--65490 dB  
2.11000 GHz
- 4--65150 dB  
2.17000 GHz

CH2 Markers

- 1--25.429 dB  
1.92000 GHz
- 2--29.699 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 51--48520 dB 2 140.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 51--23.812 dB



CH1 Markers

- 1--102.46 dB  
1.92000 GHz
- 2--99.900 dB  
1.98000 GHz
- 3--64690 dB  
2.11000 GHz
- 4--64990 dB  
2.17000 GHz

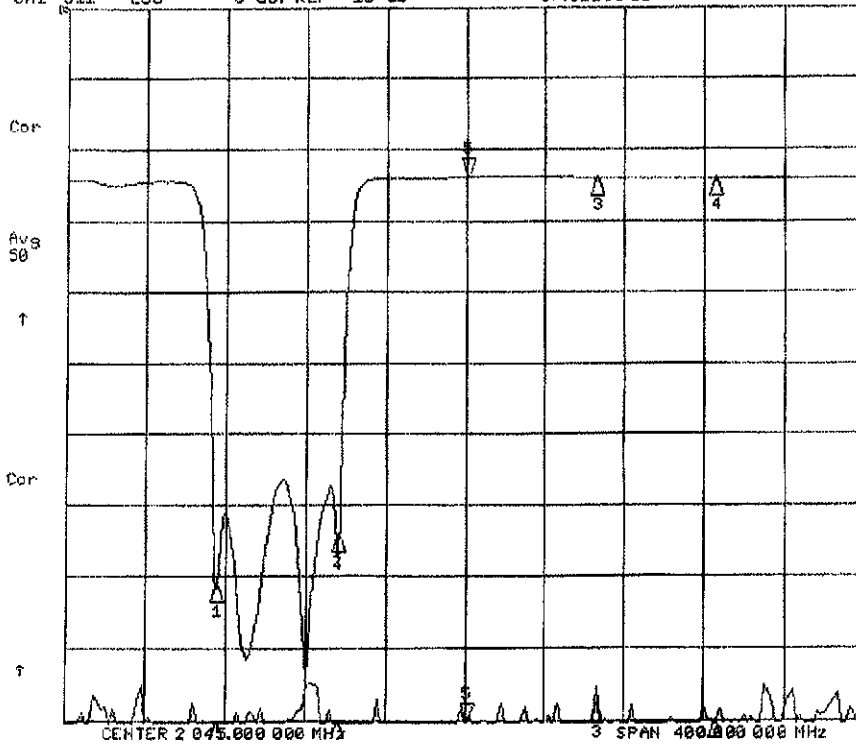
CH2 Markers

- 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

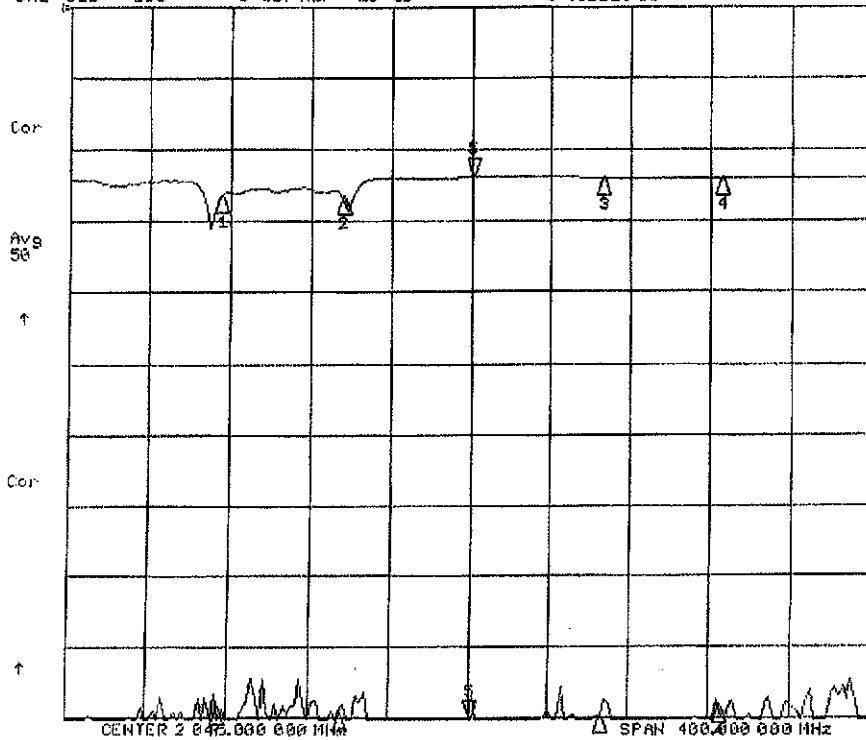
CH2 Markers

- 1: -28.565 dB  
1.92000 GHz
- 2: -25.025 dB  
1.98000 GHz
- 3: -00.120 dB  
2.11000 GHz
- 4: -01.580 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