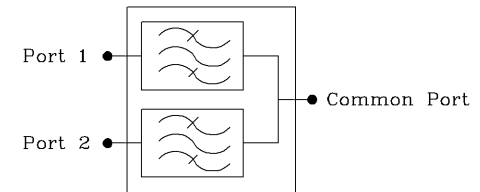
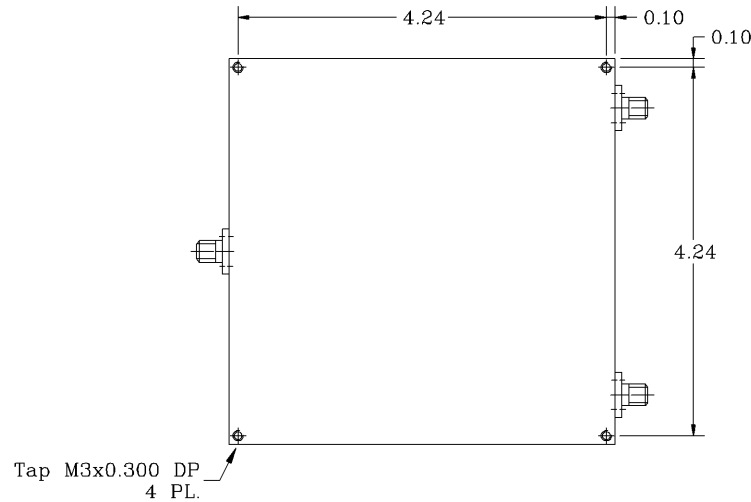
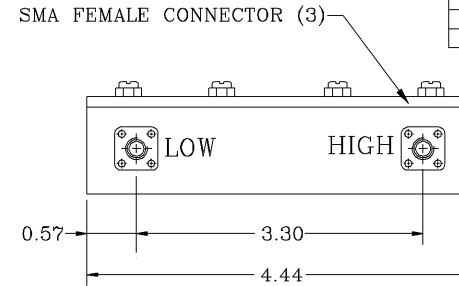
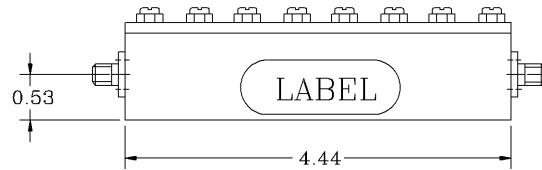
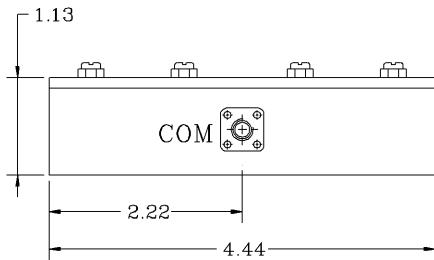


REVISIONS			
REV		DATE	APPROVED
A	Power handling and Temperature range amended.	07/10	G. David



### 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 : 50 Watts
- \*Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -20°C TO +70°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:

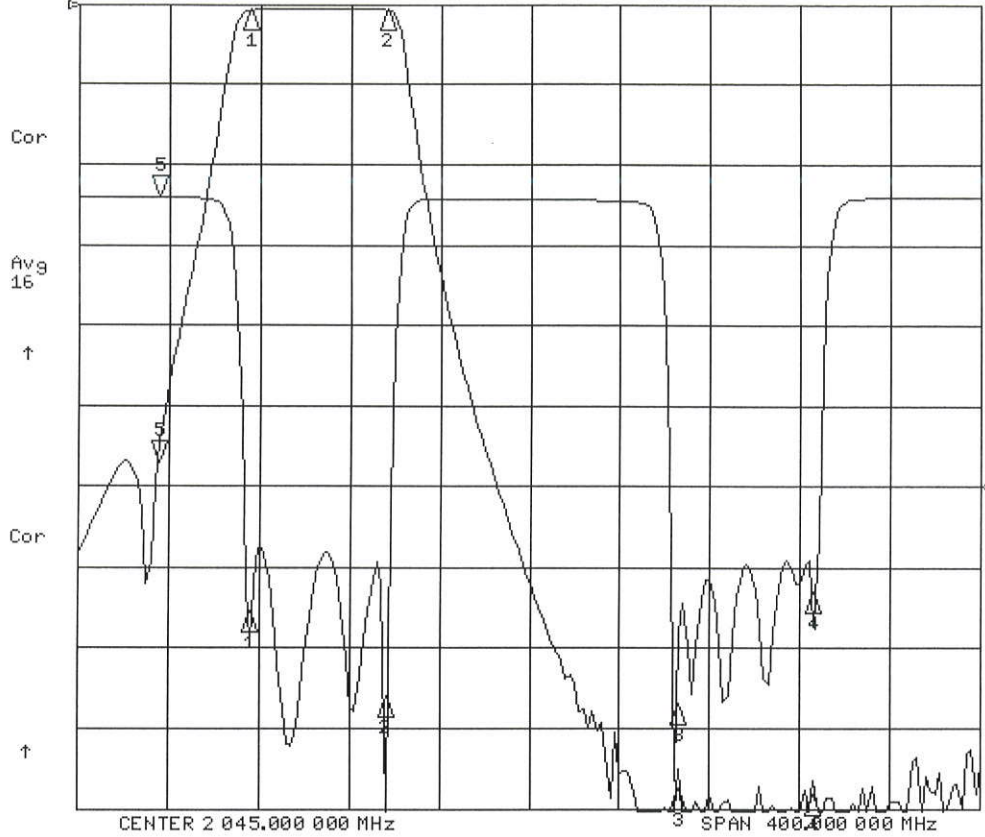
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:  
EPOXY GRAY - OPTIONAL

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		TITLE UMTS Diplexer Full Band CD2045/60SK-B1	
MATERIAL		CHECKED		SIZE CAGE CODE DWG NO: REV.	
		ENG. DESIGN ACTIVITY		A 3K1H4 CD2045/60SK-B1-1 A	
				SCALE None SHEET 1 OF 1	

CD2045/60.5K-B1

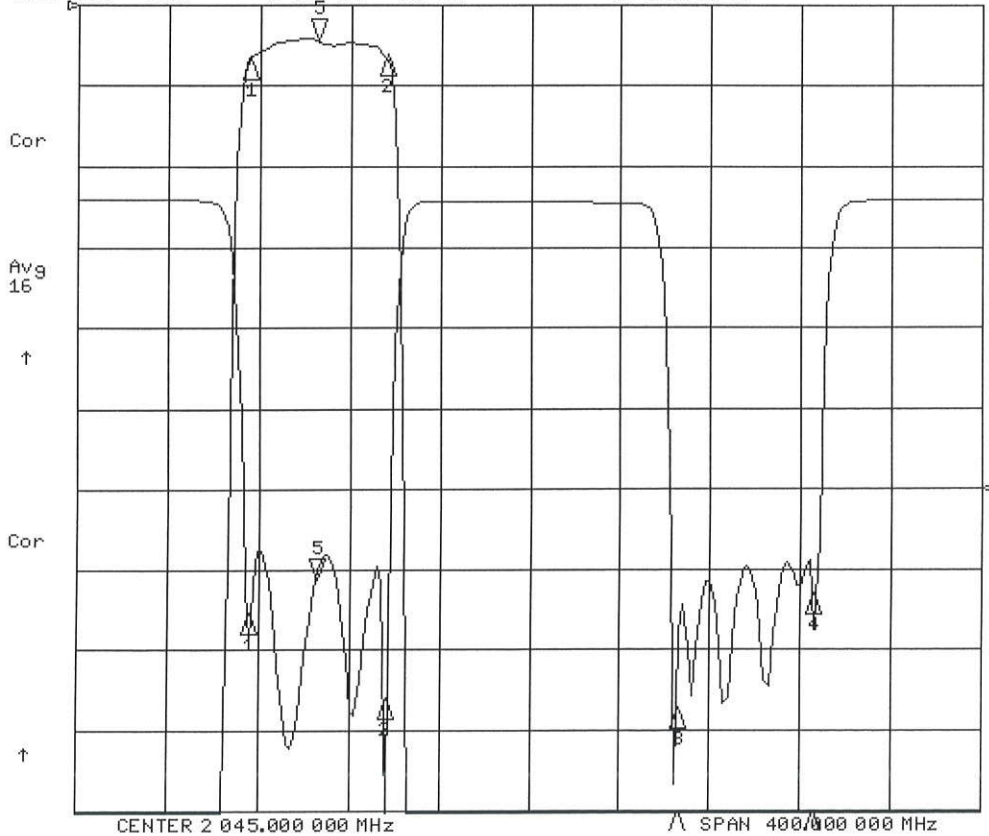
31 Mar 2011 11:08:09

CH1 S21 LOG 10 dB/REF 0 dB 5:-56.988 dB 1 880.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5:-.05660 dB



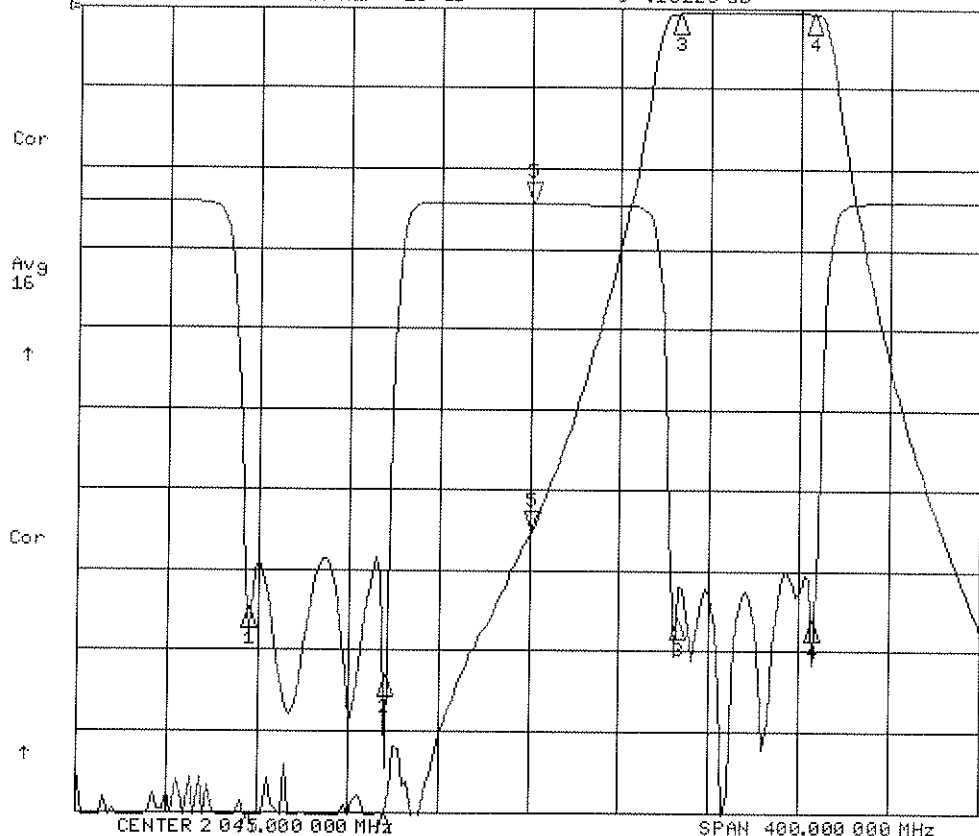
31 Mar 2011 11:08:22

CH1 S21 LOG 1 dB/REF 0 dB 5:-.44150 dB 1 950.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5:-23.588 dB



31 Mar 2011 11:09:37

CH1 S21 LOG 10 dB/REF 0 dB 5:-65.304 dB 2 045.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 5:-13220 dB



CH1 Markers

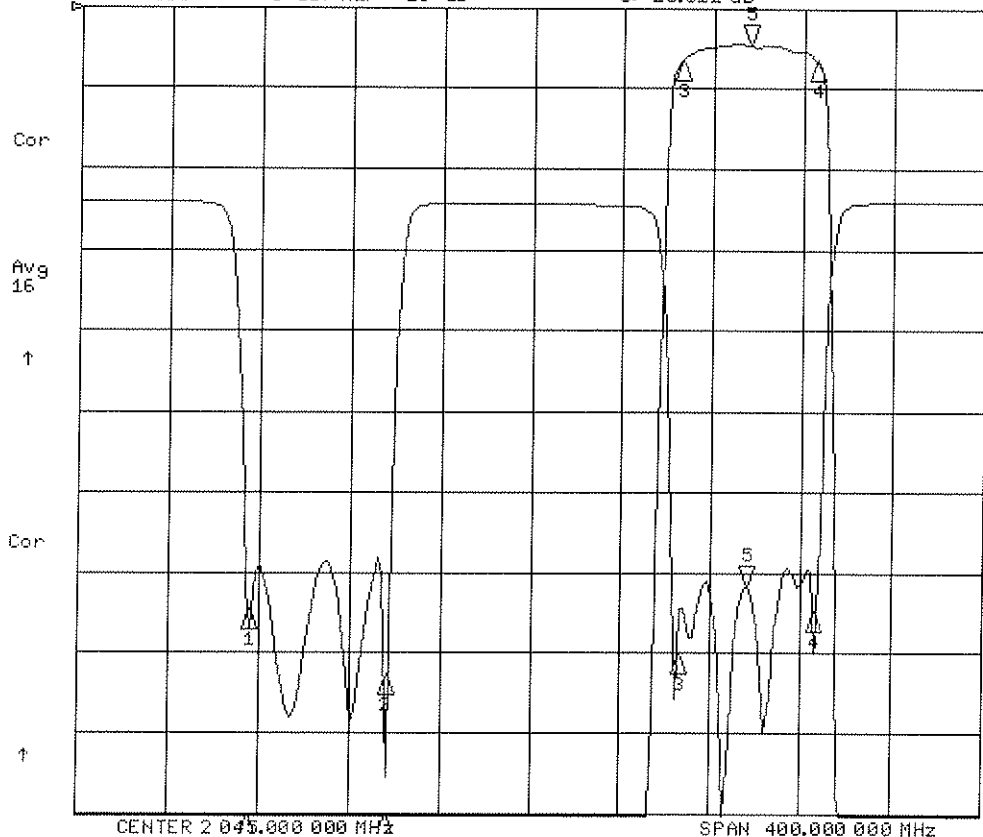
- 1:-107.06 dB  
1.92000 GHz
- 2:-101.96 dB  
1.98000 GHz
- 3:-65.490 dB  
2.11000 GHz
- 4:-65.150 dB  
2.17000 GHz

CH2 Markers

- 1:-25.429 dB  
1.92000 GHz
- 2:-29.699 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 5:-46.520 dB 2 140.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 5:-23.812 dB



CH1 Markers

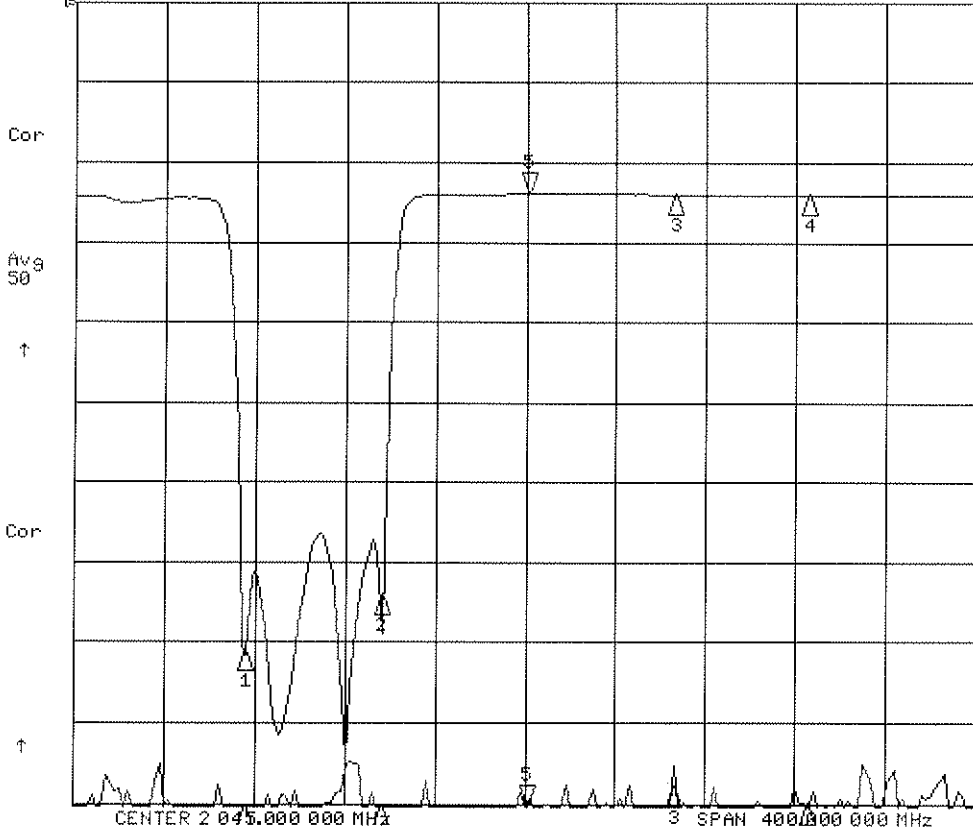
- 1:-102.46 dB  
1.92000 GHz
- 2:-99.900 dB  
1.98000 GHz
- 3:-64.690 dB  
2.11000 GHz
- 4:-64.990 dB  
2.17000 GHz

CH2 Markers

- 1:-25.302 dB  
1.92000 GHz
- 2:-23.431 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 5:-120.36 dB 2 045.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 5: .02100 dB



CH1 Markers

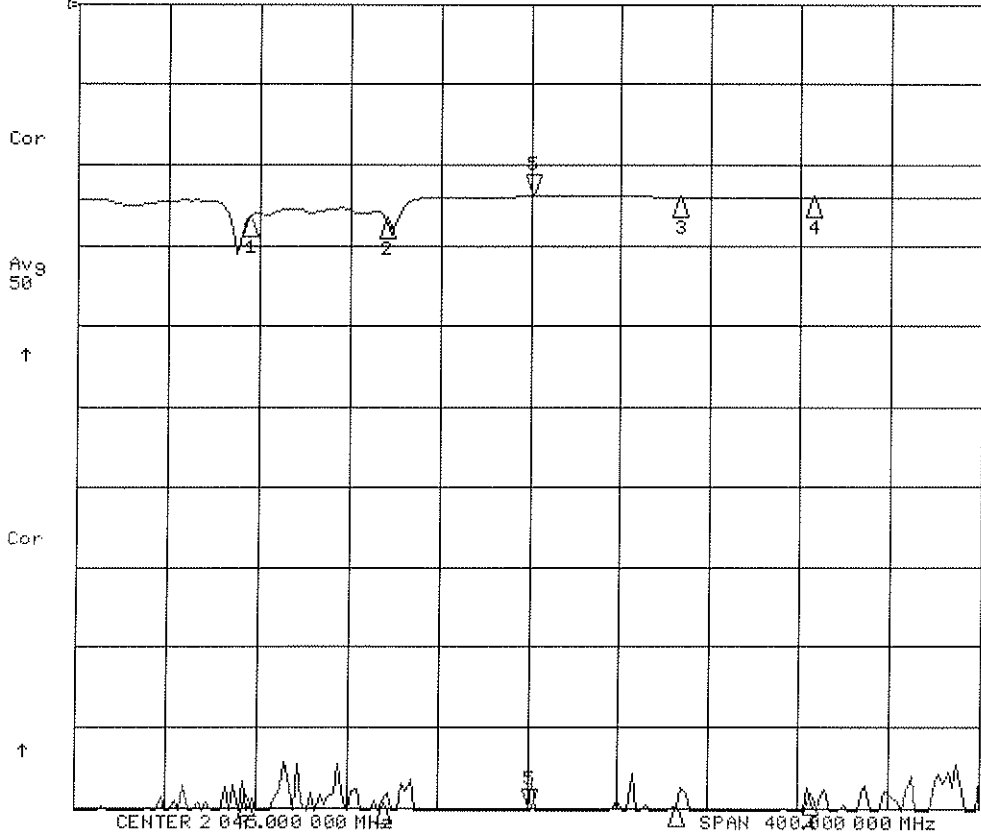
- 1:-104.32 dB  
1.92000 GHz
- 2:-106.31 dB  
1.98000 GHz
- 3:-103.12 dB  
2.11000 GHz
- 4:-100.89 dB  
2.17000 GHz

CH2 Markers

- 1:-28.565 dB  
1.92000 GHz
- 2:-25.025 dB  
1.98000 GHz
- 3: .00120 dB  
2.11000 GHz
- 4:-.01500 dB  
2.17000 GHz

31 Mar 2011 11:11:54

CH1 S21 LOG 10 dB/REF 0 dB 5:-105.98 dB 2 045.000 000 MHz  
CH2 S11 LOG 5 dB/REF -18 dB 5: .02210 dB



CH1 Markers

- 1:-98.525 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