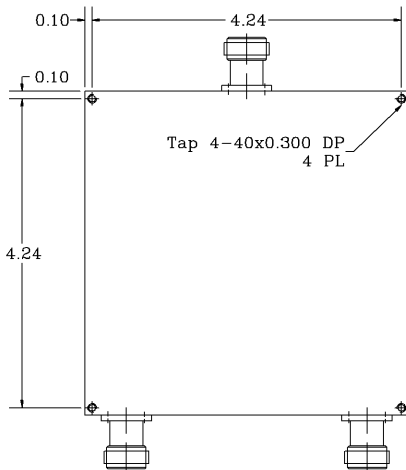
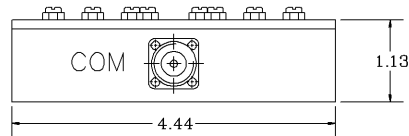
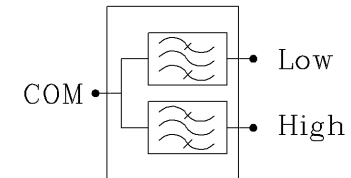
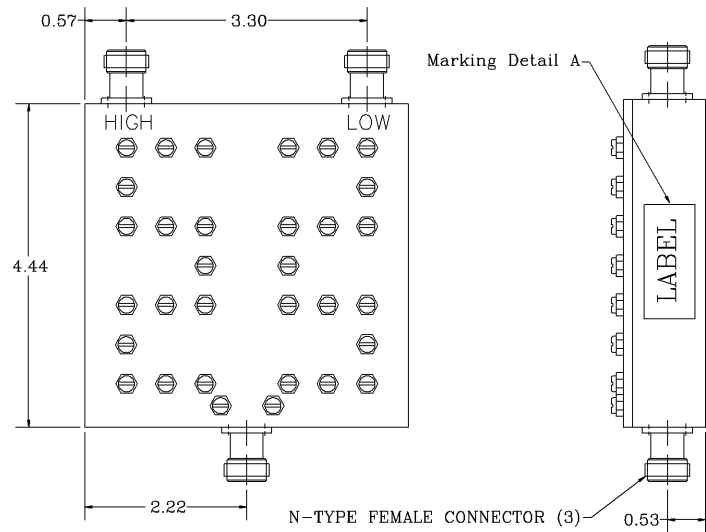


REVISIONS			
REV		DATE	APPROVED



### Electrical Specifications

- \*1dB Low Pass Band Range [MHz] : 1525 to 1559
- \*1dB High Pass Band Range [MHz] : 1626 to 1661
- \*Pass Band Insertion Loss @ Fo [dB] : < 0.8, 0.6 (Typ.)
- \*Pass Band Ripple [dB] : < 0.5 P-T-P
- \*Low Attenuation 1626 to 1661 MHz [dB] : 85 (Min.), 90 (Typ.)
- \*High Attenuation 1525 to 1559 MHz [dB] : 85 (Min.), 90 (Typ.)
- \*Isolation Between Filters [dB] : 85 (Min.), 90 (Typ.)
- \*Ultimate Stop Band Attenuation [dB] : 80 (Min.)
- \*Pass Band Return Loss [dB] : -18 (Max.), <1.29:1
- \*Input/Output Impedance : 50 ohm
- \*RF Power Capability CW : 30 Watts
- \*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.

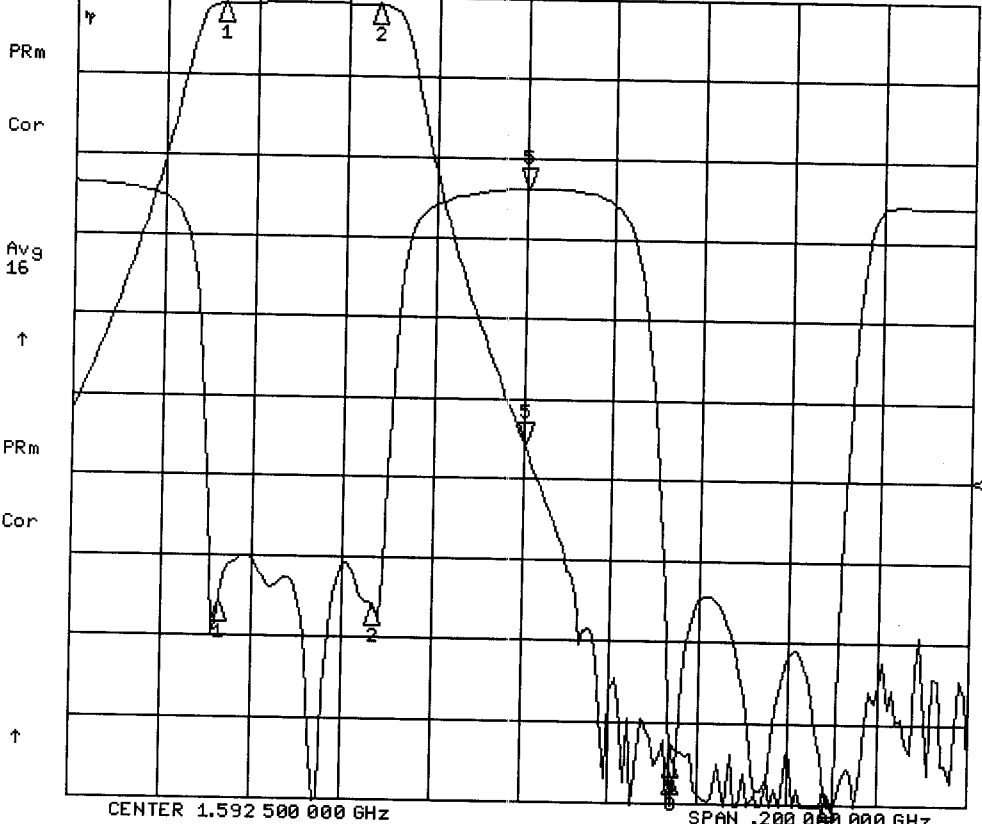
NOTES:

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

DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		<b>G-Way Microwave</b>	
ANGLES	DECIMALS	APPROVALS	DATE		
± 1°	X ± .05 XX ± .01 XXX ± .003	DRAWN	07/08	TITLE Diplexer 1592 MHz CD1592/35SK-B3	
TREATMENT	CHECKED	ENG.	DESIGN ACTIVITY	SIZE	CAGE CODE
FINISH 63/	ENG.	DESIGN ACTIVITY		A	3K1H4
MATERIAL AL6061-T6				DWG NO:	REV.
				CD1592/35SK-B3-1	0
				SCALE None	SHEET 1 OF 1

CD1592/35SK-B3

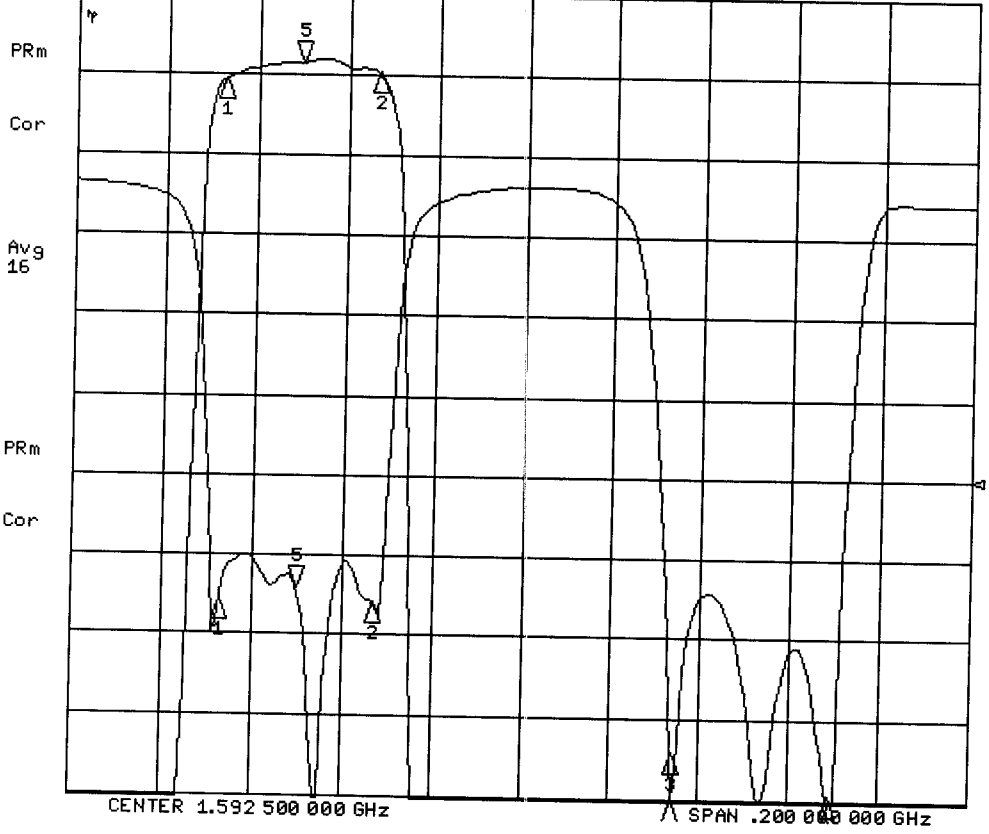
22 Jul 2008 08:51:46  
 [CH1] S21 LOG 10 dB/REF 0 dB  
 CH2 S11 LOG 5 dB/REF -18 dB  
 5: -55.555 dB 1.592500000 GHz  
 5: .11200 dB



CH1 Markers  
 1:-1.0550 dB  
 1.52500 GHz  
 2:-9.7800 dB  
 1.55900 GHz  
 3:-97.770 dB  
 1.62600 GHz  
 4:-101.05 dB  
 1.66100 GHz

CH2 Markers  
 1:-25.949 dB  
 1.52500 GHz  
 2:-25.982 dB  
 1.55900 GHz  
 3:-37.949 dB  
 1.62600 GHz  
 4:-41.053 dB  
 1.66100 GHz

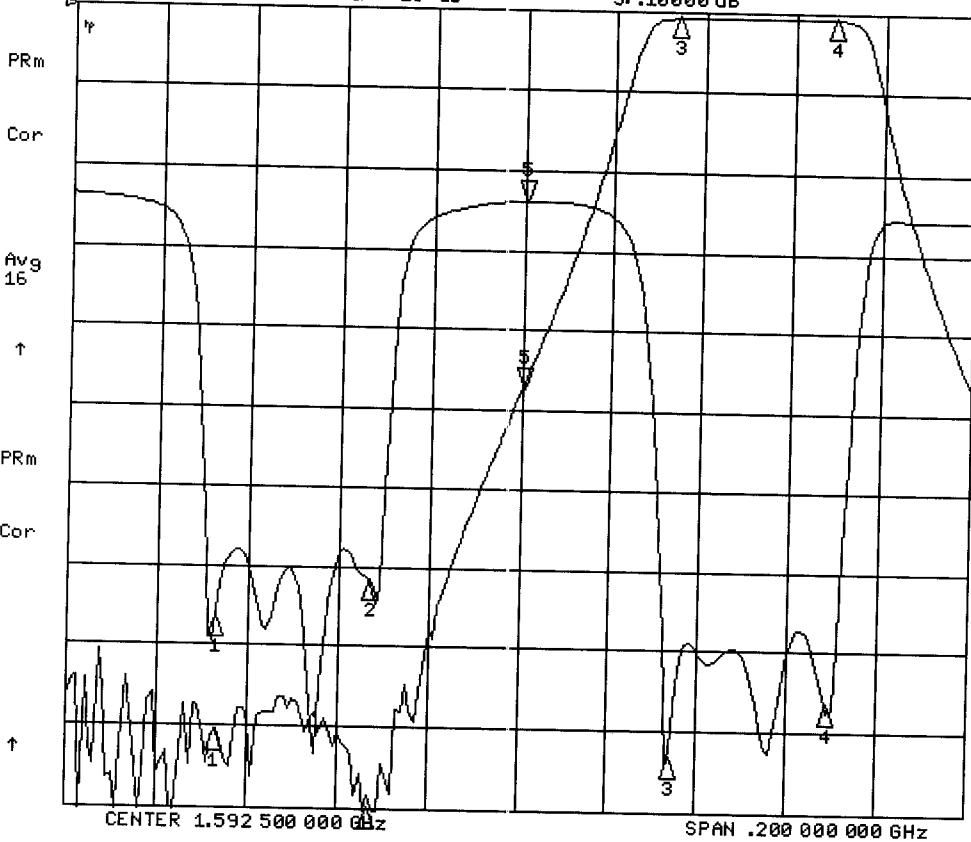
22 Jul 2008 08:51:55  
 [CH1] S21 LOG 1 dB/REF 0 dB  
 CH2 S11 LOG 5 dB/REF -18 dB  
 5: -.84800 dB 1.542000000 GHz  
 5: -25.053 dB



CH1 Markers  
 1:-1.0530 dB  
 1.52500 GHz  
 2:-9.7600 dB  
 1.55900 GHz  
 3:-93.100 dB  
 1.62600 GHz  
 4:-101.78 dB  
 1.66100 GHz

CH2 Markers  
 1:-25.965 dB  
 1.52500 GHz  
 2:-25.970 dB  
 1.55900 GHz  
 3:-37.958 dB  
 1.62600 GHz  
 4:-41.209 dB  
 1.66100 GHz

22 Jul 2008 08:49:45  
 CH1 S21 LOG 10 dB/REF 0 dB 5:-47.339 dB 1.592500000 GHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5: .10000 dB



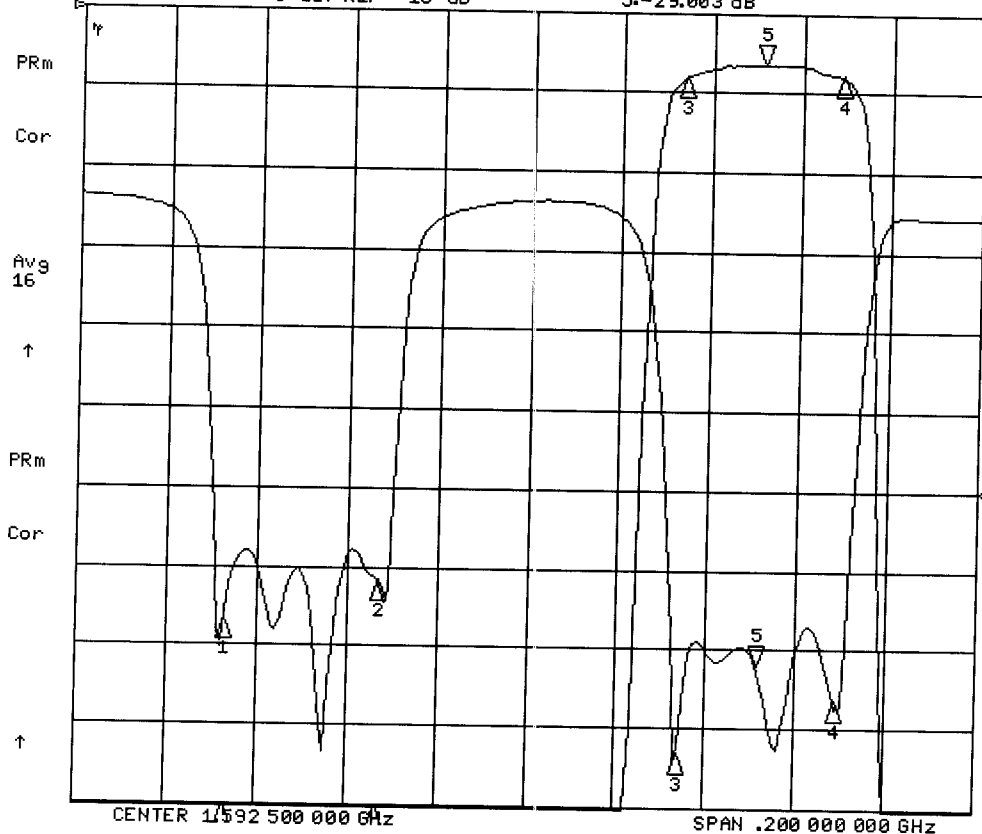
CH1 Markers

- 1:-90.743 dB  
1.52500 GHz
- 2:-101.18 dB  
1.55900 GHz
- 3:-82800 dB  
1.62600 GHz
- 4:-80200 dB  
1.66100 GHz

CH2 Markers

- 1:-26.307 dB  
1.52500 GHz
- 2:-23.835 dB  
1.55900 GHz
- 3:-34.728 dB  
1.62600 GHz
- 4:-31.327 dB  
1.66100 GHz

22 Jul 2008 08:49:54  
 CH1 S21 LOG 1 dB/REF 0 dB 5:-.65000 dB 1.643500000 GHz  
 CH2 S11 LOG 5 dB/REF -18 dB 5:-29.003 dB



CH1 Markers

- 1:-90.633 dB  
1.52500 GHz
- 2:-100.18 dB  
1.55900 GHz
- 3:-82900 dB  
1.62600 GHz
- 4:-80200 dB  
1.66100 GHz

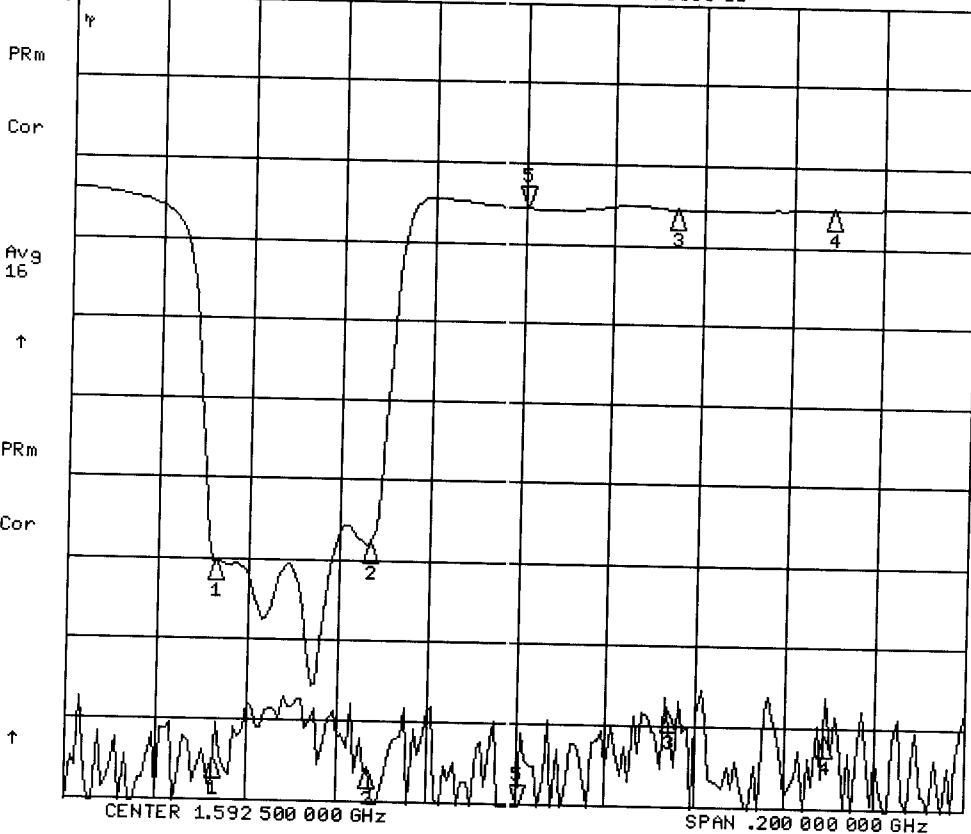
CH2 Markers

- 1:-26.334 dB  
1.52500 GHz
- 2:-23.848 dB  
1.55900 GHz
- 3:-34.671 dB  
1.62600 GHz
- 4:-31.316 dB  
1.66100 GHz

22 Jul 2008 08:51:02

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

S:-114.72 dB 1.592500000 GHz  
S:-.79800 dB



CH1 Markers

- 1:-94.987 dB  
1.52500 GHz
- 2:-96.074 dB  
1.55900 GHz
- 3:-88.411 dB  
1.62600 GHz
- 4:-91.247 dB  
1.66100 GHz

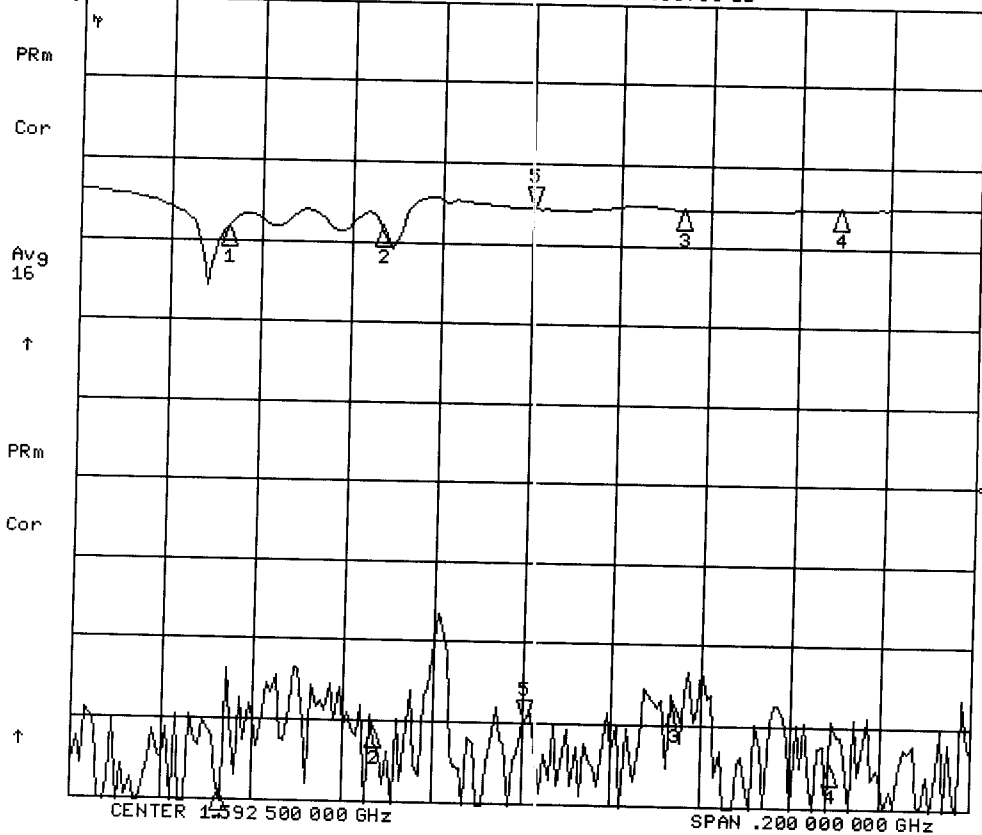
CH2 Markers

- 1:-23.171 dB  
1.52500 GHz
- 2:-21.901 dB  
1.55900 GHz
- 3:-.74400 dB  
1.62600 GHz
- 4:-.64700 dB  
1.66100 GHz

22 Jul 2008 08:51:10

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

S:-89.688 dB 1.592500000 GHz  
S:-.80700 dB



CH1 Markers

- 1:-99.695 dB  
1.52500 GHz
- 2:-91.004 dB  
1.55900 GHz
- 3:-87.557 dB  
1.62600 GHz
- 4:-96.003 dB  
1.66100 GHz

CH2 Markers

- 1:-2.1510 dB  
1.52500 GHz
- 2:-2.0760 dB  
1.55900 GHz
- 3:-.74500 dB  
1.62600 GHz
- 4:-.64600 dB  
1.66100 GHz