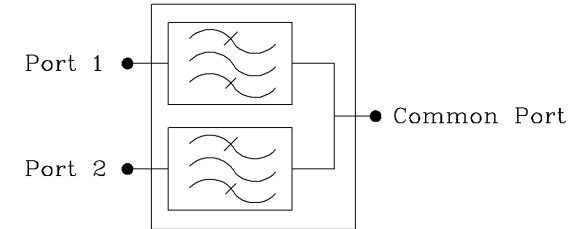


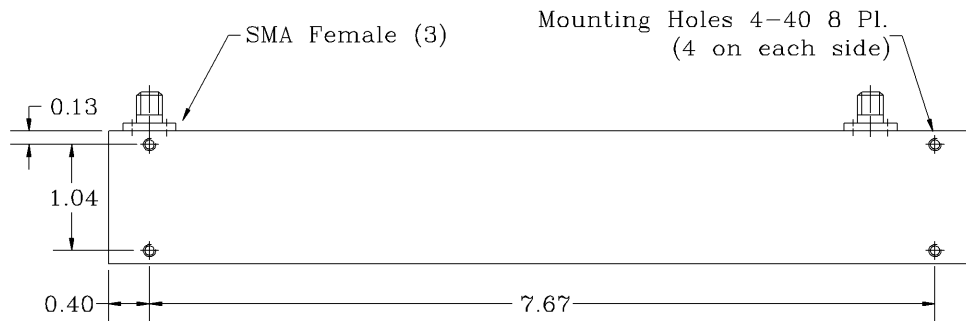
REVISIONS			
REV		DATE	APPROVED



Electrical Specifications

- *Low 1dB Pass Band Range [MHz] J1 : 2395 to 2435
- *Low Pass Band Insertion Loss @ Fo [dB] : < 1.5
- *High 1dB Pass Band Range [MHz] J2 : 2495 to 2605
- *High Pass Band Insertion Loss @ Fo [dB] : < 0.8
- *Pass Band Ripple [dB] : < 0.4 P-T-P
- *Low Band Rejection DC to 2000 [MHz] [dBc] : 75 (Min.)
 - @ 2350 [MHz] [dBc] : 50 (Min.), 60 (Typ.)
 - @ 2385 [MHz] [dBc] : 25 (Min.)
 - @ 2440 [MHz] [dBc] : 10 (Min.)
 - @ 2390 [MHz] [dBc] : 10 (Min.)
 - @ 2495 to 4870 [MHz] [dBc] : 90 (Min.), 100 (Typ.)
- *High Band Rejection DC to 2435 [MHz] [dBc] : 80 (Min.), 90 (Typ.)
 - @ 2470 [MHz] [dBc] : 30 (Min.), 35 (Typ.)
 - @ 2480 [MHz] [dBc] : 15 (Min.), 20 (Typ.)
 - @ 2615 [MHz] [dBc] : 10 (Min.)
 - @ 2633 [MHz] [dBc] : 30 (Min.), 35 (Typ.)
 - @ 4990 to 5210 [MHz] [dBc] : 90 (Min.), 100 (Typ.)
- *Isolation Between Filters [dB] : 90 (Min.)
- *Pass Band Return Loss [dB] : -16 (Max), <1.38:1
- *Input/Output Impedance : 50 ohm
- *RF Power Capability CW : 10 Watts
- *Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -40°C TO +85°C



NOTES:

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

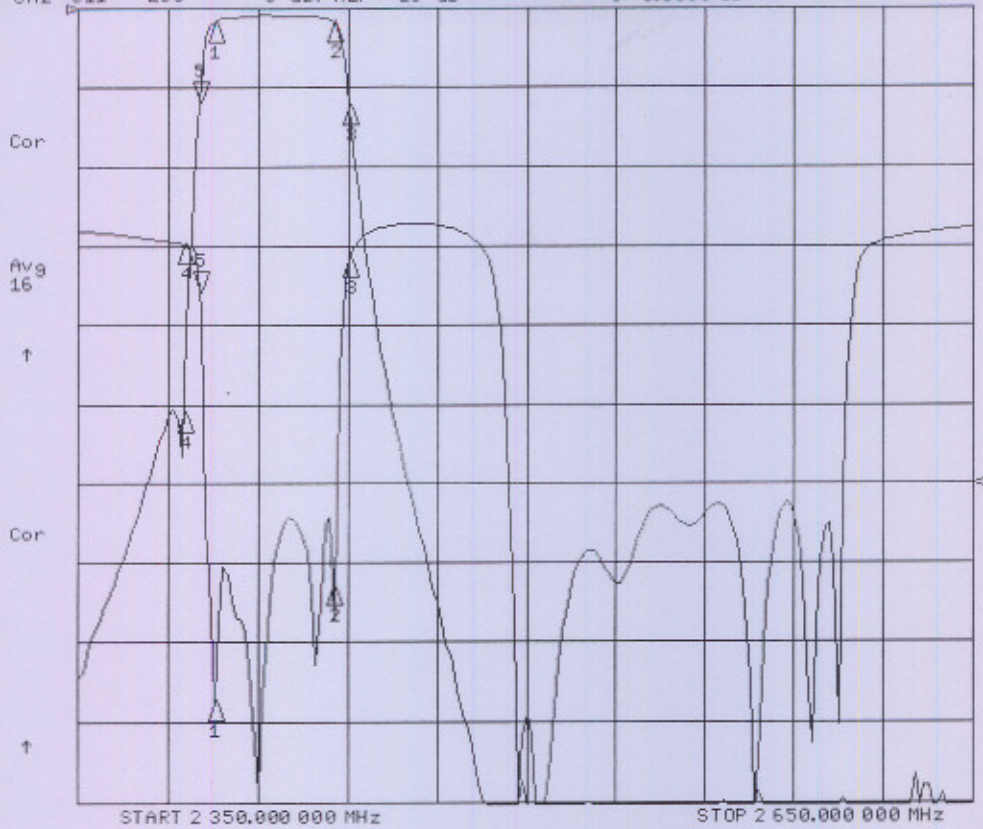
PROPRIETARY DOCUMENT:
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DIMENSIONS ARE IN INCHES TOLERANCES ARE ANGLES DECIMALS		CONTRACT NO:		G-Way Microwave					
± 1°	X ± .05 XX ± .01 .XXX ± .003	APPROVALS	DATE					TITLE Diplexer 2.5 GHz	
TREATMENT	CHECKED	DRAWN Sivak	11/04	CD2465/110SK-E		SIZE	CAGE CODE	DWG NO:	REV.
FINISH 63/	ENG.	DESIGN ACTIVITY		A	3K1H4	CD2465/110SK-E-1	B		
MATERIAL AL8061-T6				SCALE None				SHEET 1	OF 1

P/N: CD2465/1105K-E
S/n: 05011001

28 Jan 2005 10:57:53
5i: -11.860 dB 2 390.000 000 MHz
5t: -3.8886 dB

CH1 S21 LOG 10 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -16 dB



CH1 Markers

- 1i: -1.7196 dB
2.39500 GHz
- 2i: -1.6899 dB
2.43500 GHz
- 3i: -12.291 dB
2.44000 GHz
- 4i: -51.036 dB
2.38500 GHz

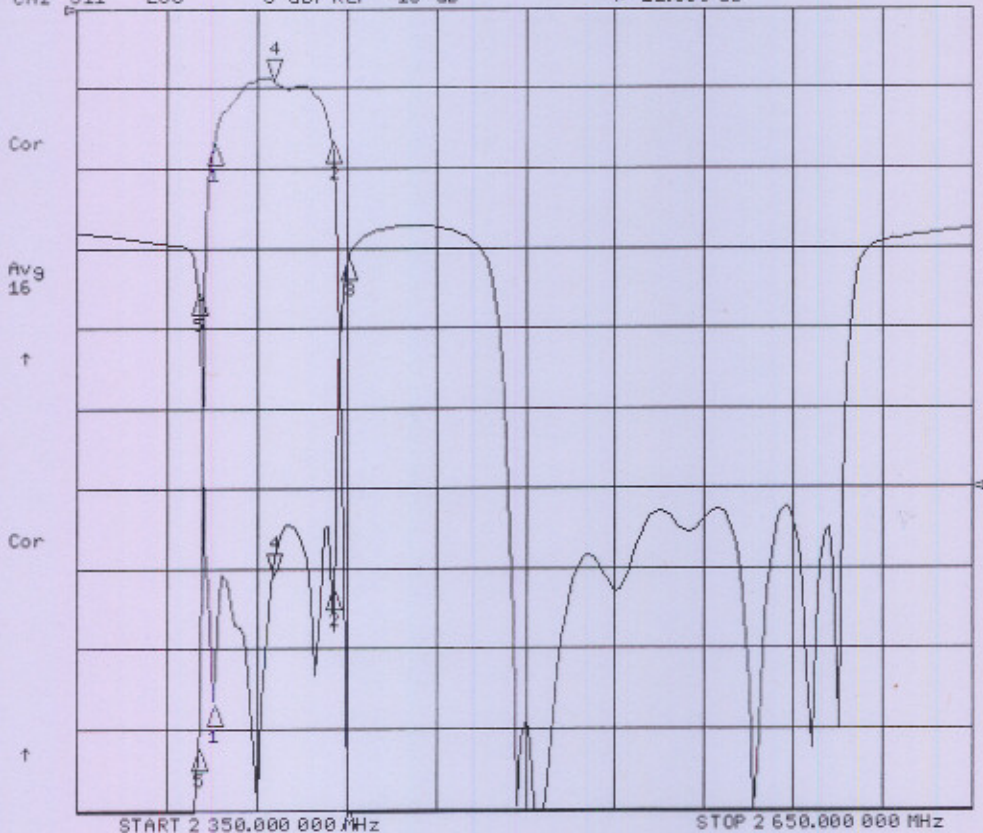
CH2 Markers

- 1i: -29.640 dB
2.39500 GHz
- 2i: -22.449 dB
2.43500 GHz
- 3i: -1.7853 dB
2.44000 GHz
- 4i: -.89200 dB
2.38500 GHz

21A

28 Jan 2005 10:58:10
4i: -.89830 dB 2 415.150 000 MHz
4t: -21.389 dB

CH1 S21 LOG 1 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -16 dB



CH1 Markers

- 1i: -1.7173 dB
2.39500 GHz
- 2i: -1.6867 dB
2.43500 GHz
- 3i: -12.288 dB
2.44000 GHz
- 5i: -11.854 dB
2.39000 GHz

CH2 Markers

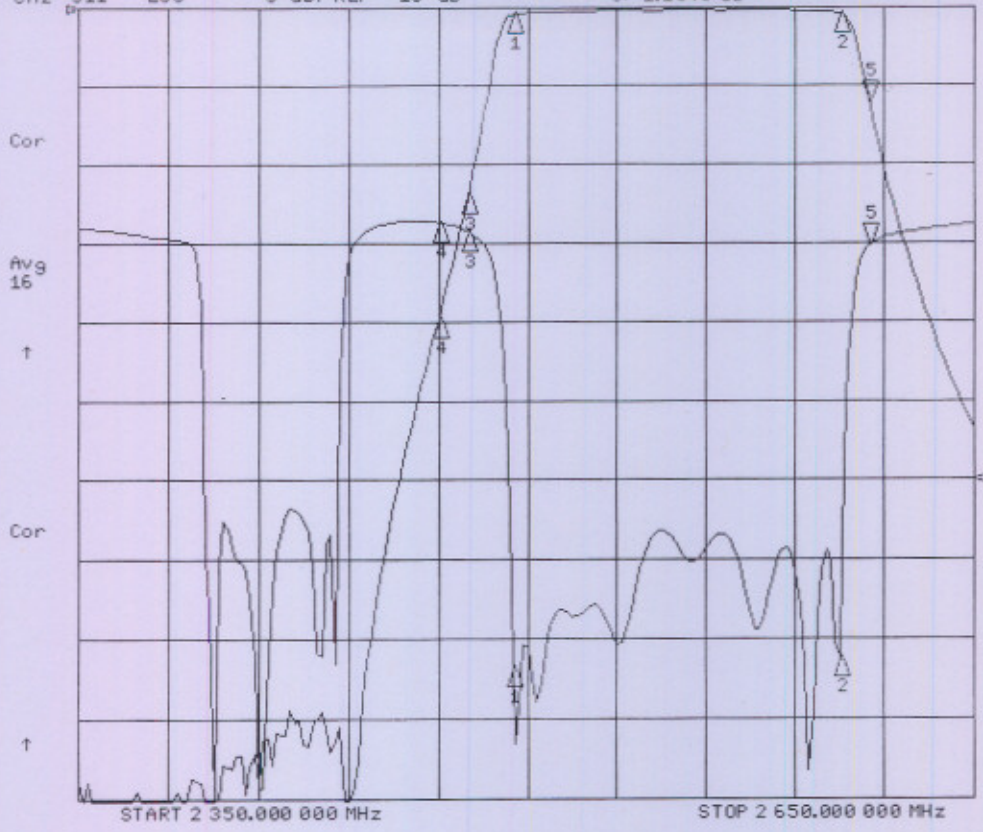
- 1i: -29.623 dB
2.39500 GHz
- 2i: -22.327 dB
2.43500 GHz
- 3i: -1.7391 dB
2.44000 GHz
- 5i: -3.8731 dB
2.39000 GHz

P/N: D2465/110 SK-E
S/N: 050/1001

28 Jan 2005 10:59:19

CH1 S21 LOG 10 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -16 dB

5: -11.939 dB 2 615.000 000 MHz
5: -1.1543 dB



CH1 Markers

- 1: -86.720 dB
2.49500 GHz
- 2: -74.740 dB
2.60500 GHz
- 3: -23.740 dB
2.48000 GHz
- 4: -39.375 dB
2.47000 GHz

CH2 Markers

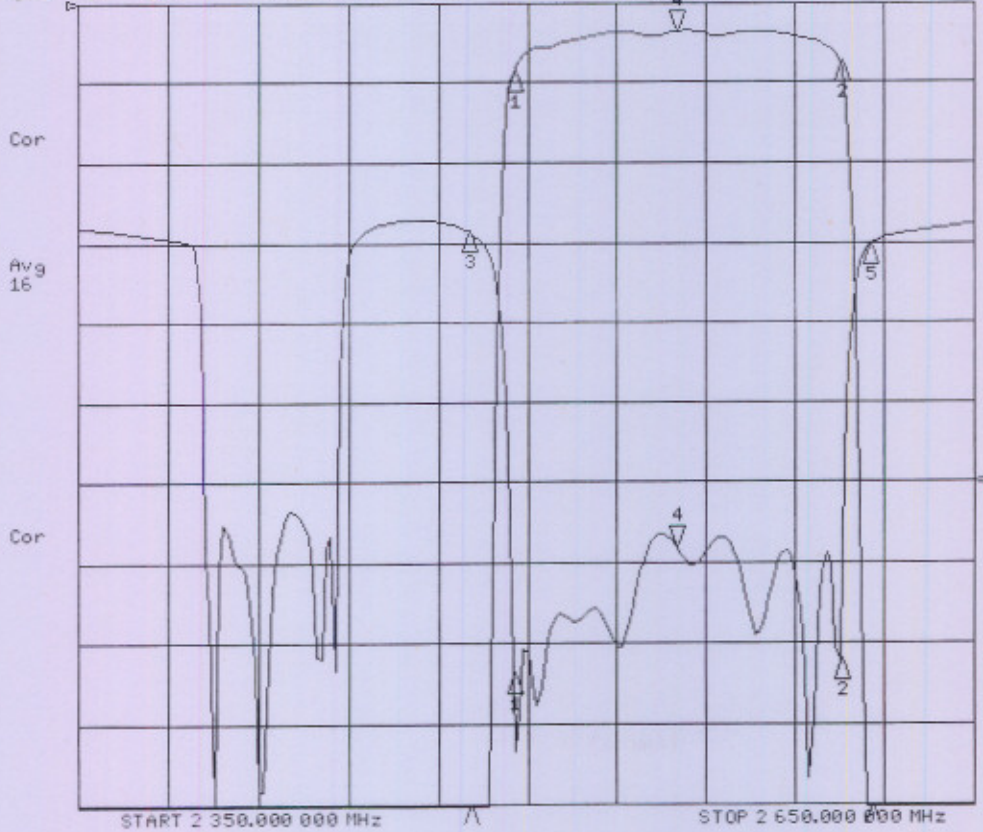
- 1: -27.787 dB
2.49500 GHz
- 2: -27.157 dB
2.60500 GHz
- 3: -32.490 dB
2.48000 GHz
- 4: -30.060 dB
2.47000 GHz

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28 Jan 2005 10:59:34

CH1 S21 LOG 1 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -16 dB

4: -35.730 dB 2 549.769 999 MHz
4: -20.042 dB



CH1 Markers

- 1: -86.390 dB
2.49500 GHz
- 2: -74.600 dB
2.60500 GHz
- 3: -23.730 dB
2.48000 GHz
- 5: -11.939 dB
2.61500 GHz

CH2 Markers

- 1: -27.822 dB
2.49500 GHz
- 2: -27.082 dB
2.60500 GHz
- 3: -32.120 dB
2.48000 GHz
- 5: -1.1540 dB
2.61500 GHz