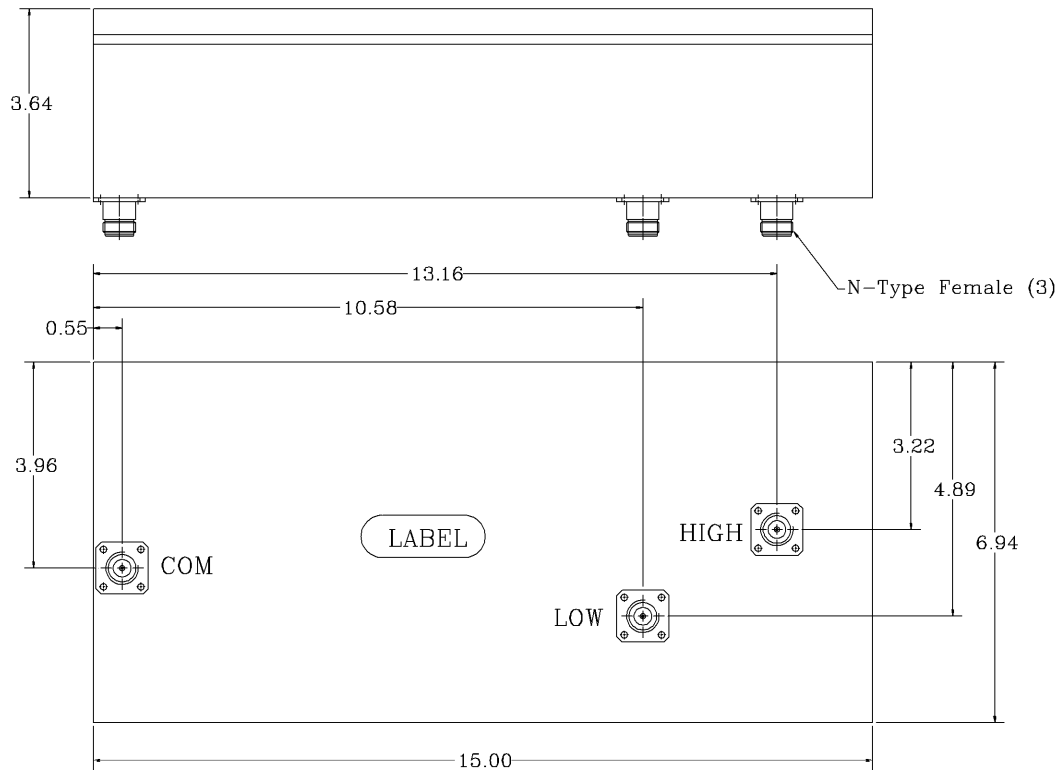
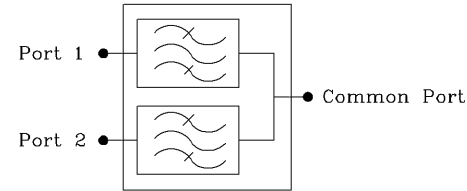
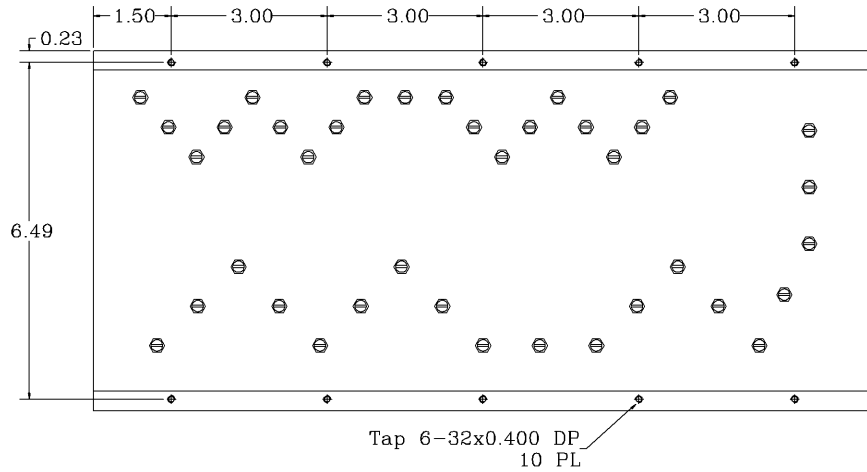


REVISIONS

REV	DATE	APPROVED



*Electrical Specifications*

(Across defined Operating Temperature Range)

- \*Low Pass Band Range [MHz] : 895 to 915
- \*Low Pass Band Insertion Loss across passband [dB] : <1.5, 1.3 (Typ.)
- \*High Pass Band Range [MHz] : 940 to 960
- \*High Pass Band Insertion Loss across passband [dB] : <1.30, 1.1 (Typ.)
- \*Pass Band Ripple [dB] : < 0.4 P-T-P
- \*Low Pass Band Atten. @ 925 to 960 MHz [dBc] : 70 (Min.), 75 (Typ.)
- @ 890 MHz [dBc] : 30 (Min.), 32 (Typ.)
- \*High Pass Band Atten. @ 880 to 915 MHz [dBc] : 85 (Min.), 87 (Typ.)
- 917 to 927 MHz [dBc] : 30 (Min.), 32 (Typ.)
- 962.5 to 965.5 MHz [dBc] : 30 (Min.), 32 (Typ.)
- \*Isolation High to Low [dB] : 80 (Min.), 85 (Typ.)
- \*Pass Band Return Loss [dB] : -16 (Max.), <1.38:1
- \*Input/Output Impedance : 50 ohm
- \*RF Power Capability CW DL Path : 200 Watts
- \*Input/Output @ DC Ground Potential

NET WEIGHT: 7.68 kg / 17.07 lb

Final Data 801 points over temperature range: -0°C, +25°C, +45°C

PROPRIETARY DOCUMENT:  
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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	Segal	12/08	Diplexer GSM900
TREATMENT	CHECKED	ENG.			CD927.5/20HK-D7
FINISH	63	DESIGN ACTIVITY			SIZE CAGE CODE DWG NO:
MATERIAL	AL6061-T6				A 3K1H4 CD927.5/20HK-D7-1
					REV. 0
					SCALE None SHEET 1 OF 1

28 Jul 2010 02:54:30  
 CH1 S21 LOG 10 dB/REF 0 dB 5: -77.109 dB 925.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -16 dB 5: -24290 dB



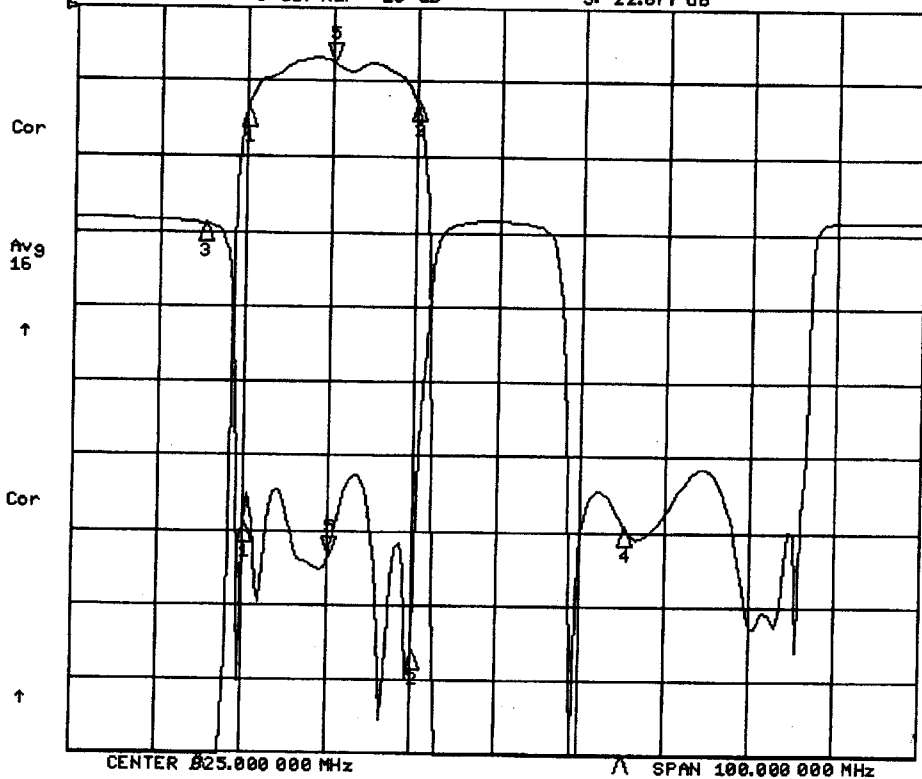
CH1 Markers

- 1: -1.3698 dB  
895.000 MHz
- 2: -1.2797 dB  
915.000 MHz
- 3: -32.895 dB  
890.000 MHz
- 4: -82.713 dB  
940.000 MHz

CH2 Markers

- 1: -20.507 dB  
895.000 MHz
- 2: -29.163 dB  
915.000 MHz
- 3: -42760 dB  
890.000 MHz
- 4: -20.640 dB  
940.000 MHz

28 Jul 2010 02:54:30  
 CH1 S21 LOG 1 dB/REF 0 dB 5: -73710 dB 905.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -16 dB 5: -22.677 dB



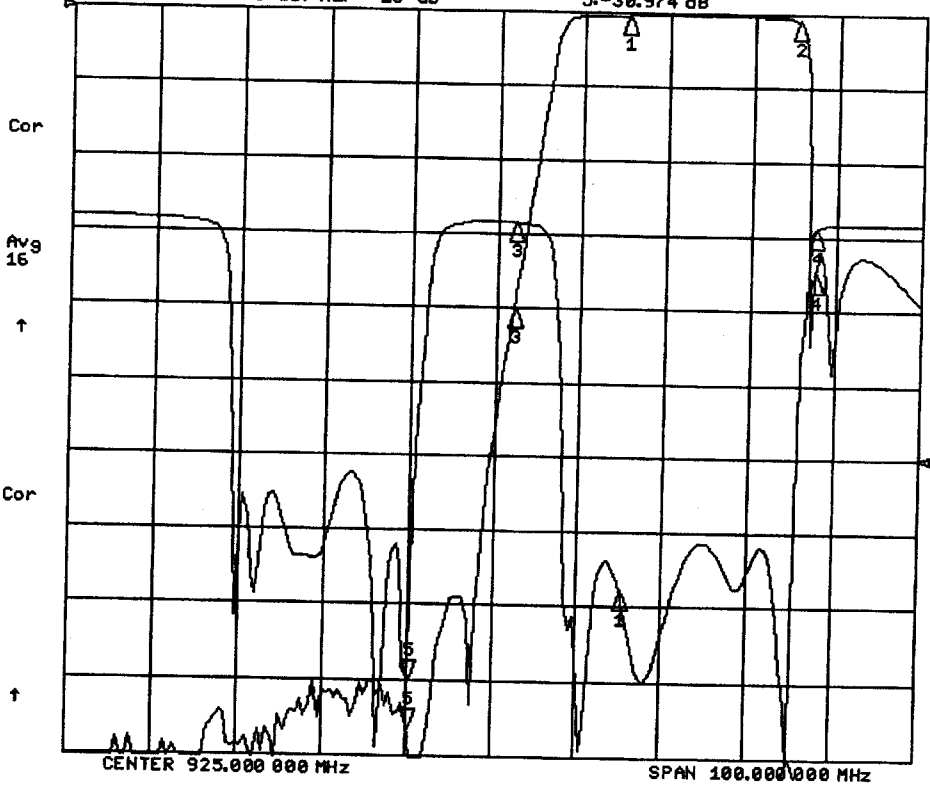
CH1 Markers

- 1: -1.3734 dB  
895.000 MHz
- 2: -1.2833 dB  
915.000 MHz
- 3: -32.894 dB  
890.000 MHz
- 4: -83.371 dB  
940.000 MHz

CH2 Markers

- 1: -20.578 dB  
895.000 MHz
- 2: -29.151 dB  
915.000 MHz
- 3: -42250 dB  
890.000 MHz
- 4: -20.632 dB  
940.000 MHz

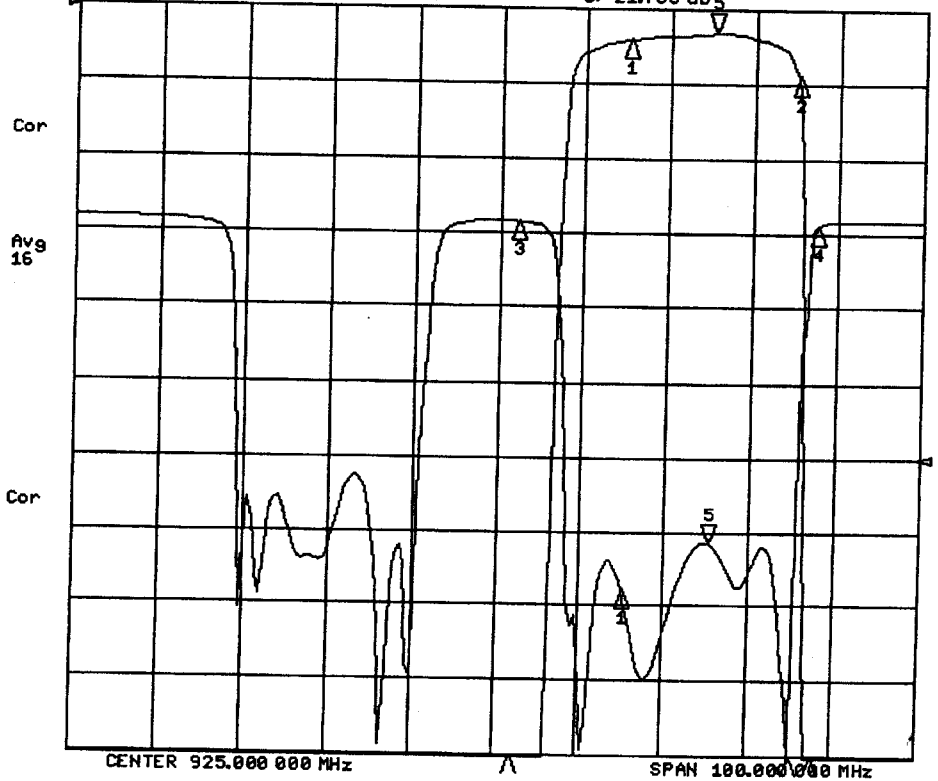
28 Jul 2010 19:48:09  
 CH1 S21 LOG 10 dB/REF 0 dB 5i:-96.524 dB 915.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -16 dB 5i:-30.974 dB



CH1 Markers  
 1i:-41.140 dB  
 940.000 MHz  
 2i:-90.010 dB  
 960.000 MHz  
 3i:-40.252 dB  
 927.000 MHz  
 4i:-35.278 dB  
 962.500 MHz

CH2 Markers  
 1i:-25.032 dB  
 940.000 MHz  
 2i:-39.280 dB  
 960.000 MHz  
 3i:-29.180 dB  
 927.000 MHz  
 4i:-52.250 dB  
 962.500 MHz

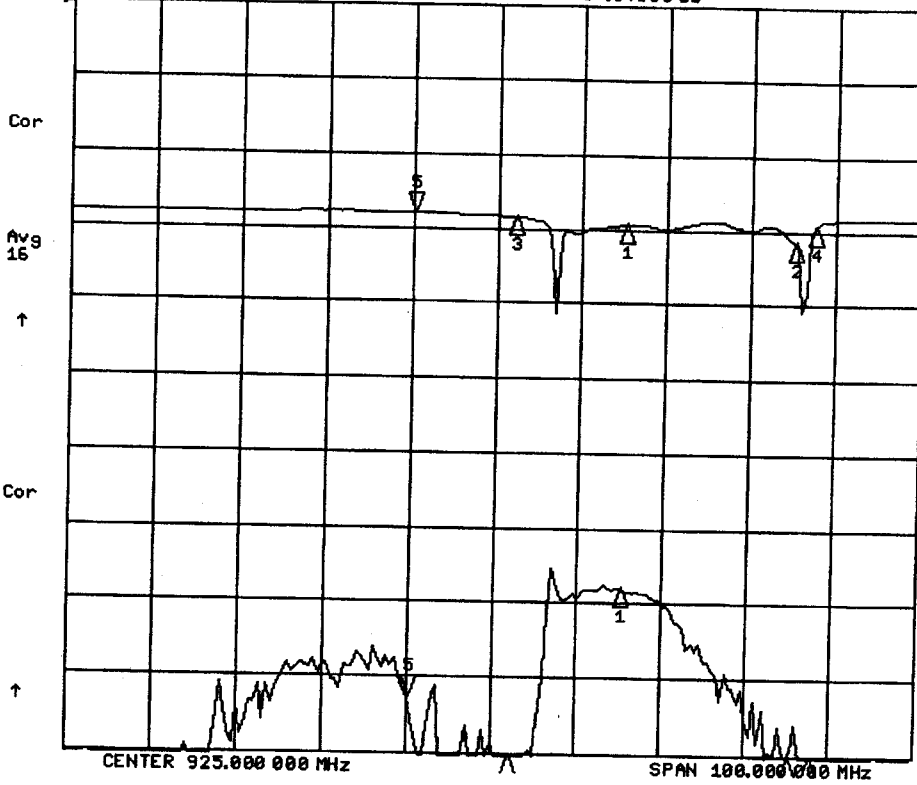
28 Jul 2010 19:48:18  
 CH1 S21 LOG 1 dB/REF 0 dB 5i:-32.860 dB 950.000 000 MHz  
 CH2 S11 LOG 5 dB/REF -16 dB 5i:-21.705 dB



CH1 Markers  
 1i:-41.060 dB  
 940.000 MHz  
 2i:-89.710 dB  
 960.000 MHz  
 3i:-40.253 dB  
 927.000 MHz  
 4i:-35.284 dB  
 962.500 MHz

CH2 Markers  
 1i:-25.033 dB  
 940.000 MHz  
 2i:-38.972 dB  
 960.000 MHz  
 3i:-29.460 dB  
 927.000 MHz  
 4i:-53.140 dB  
 962.500 MHz

28 Jul 2010 19:56:52  
 CH1 S21 L06 10 dB/REF 0 dB 5:-92.702 dB 915.000 000 MHz  
 CH2 S11 L06 5 dB/REF -16 dB 5: .04000 dB



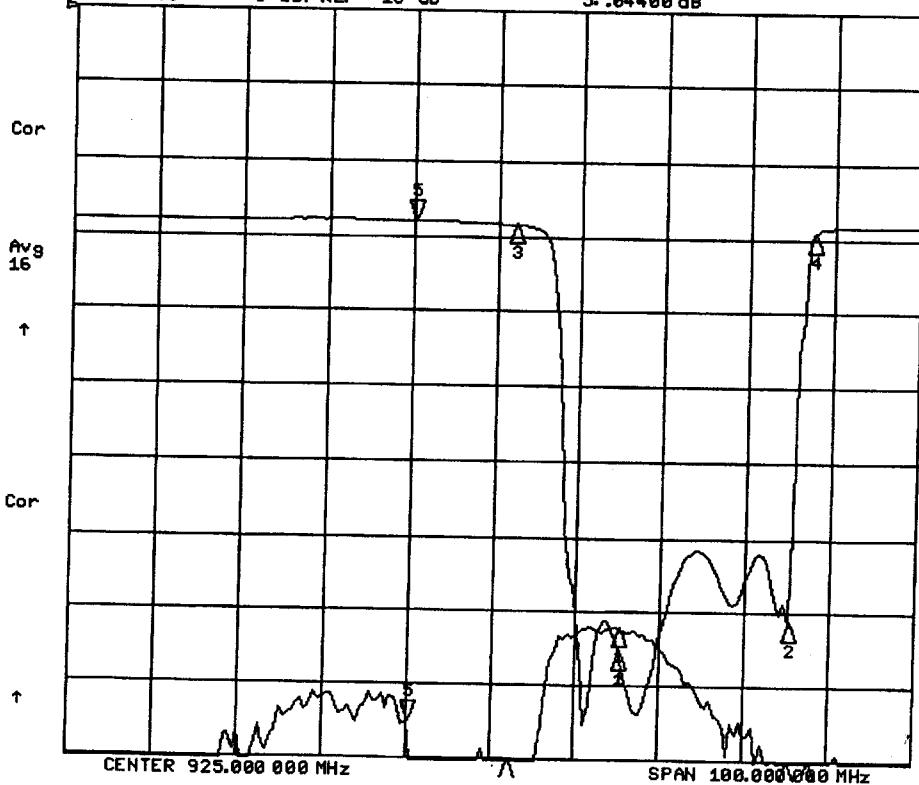
CH1 Markers

- 1:-77.944 dB  
940.000 MHz
- 2:-105.88 dB  
960.000 MHz
- 3:-108.19 dB  
927.000 MHz
- 4:-107.45 dB  
962.500 MHz

CH2 Markers

- 1:-.72330 dB  
940.000 MHz
- 2:-1.7238 dB  
960.000 MHz
- 3:-2.2390 dB  
927.000 MHz
- 4:-.62960 dB  
962.500 MHz

28 Jul 2010 19:57:02  
 CH1 S21 L06 10 dB/REF 0 dB 5:-95.021 dB 915.000 000 MHz  
 CH2 S11 L06 5 dB/REF -16 dB 5: .04400 dB



CH1 Markers

- 1:-82.313 dB  
940.000 MHz
- 2:-109.54 dB  
960.000 MHz
- 3:-115.65 dB  
927.000 MHz
- 4:-107.03 dB  
962.500 MHz

CH2 Markers

- 1:-28.743 dB  
940.000 MHz
- 2:-26.603 dB  
960.000 MHz
- 3:-2.2820 dB  
927.000 MHz
- 4:-.63100 dB  
962.500 MHz