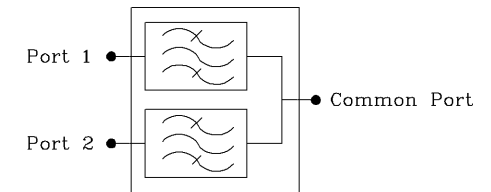
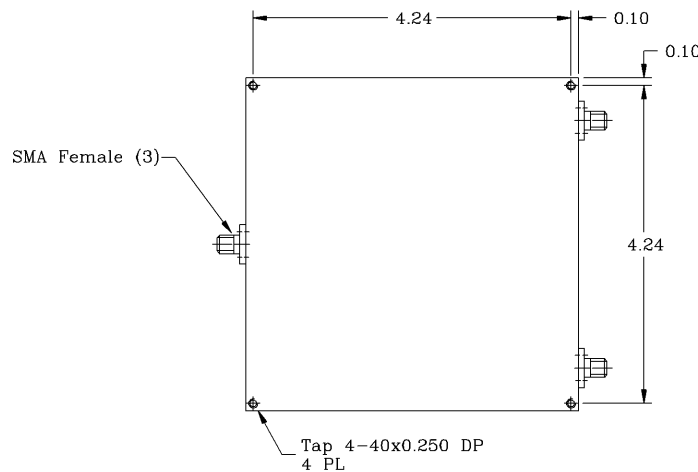
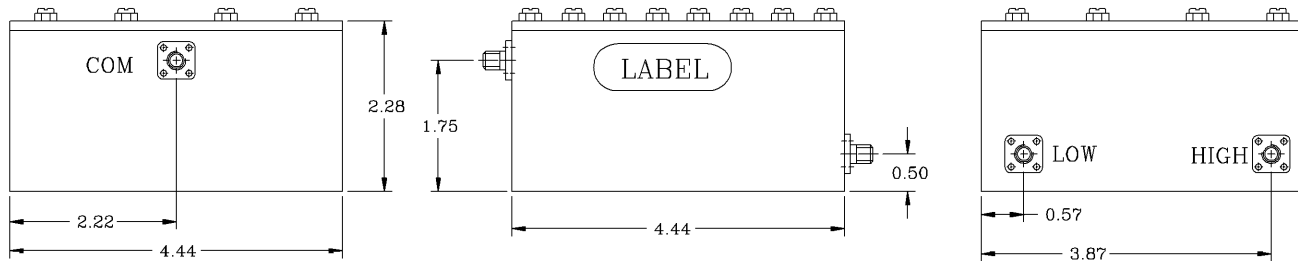


REVISIONS			
REV		DATE	APPROVED



Electrical Specifications

- *Low Pass Band Range [MHz] : 704 to 710
- *High Pass Band Range [MHz] : 734 to 740
- *Pass Band Insertion Loss @ Fo [dB] : <2.2, 2.1 (Typ.)
- *Pass Band Ripple [dB] : < 0.5 P-T-P
- *Low Band Rejection @ 734 to 740 MHz [dB] : 98 (Min.), 100 (Typ.)
- @ 700 & 714 MHz [dB] : 30 (Min.), 35 (Typ.)
- *High Band Rejection @ 704 to 710 MHz [dB] : 98 (Min.), 100 (Typ.)
- @ 730 & 744 MHz [dB] : 30 (Min.), 35 (Typ.)
- *Isolation between Filters [dB] : 98 (Min.), 100 (Typ.)
- *Pass Band Return Loss [dB] : -18 (Max.), <1.28:1
- *Input/Output Impedance : 50 ohm
- *RF Power Capability CW : 20 Watts
- *Input/Output @ DC Ground Potential

OPERATING TEMPERATURE RANGE: -30°C TO +75°C

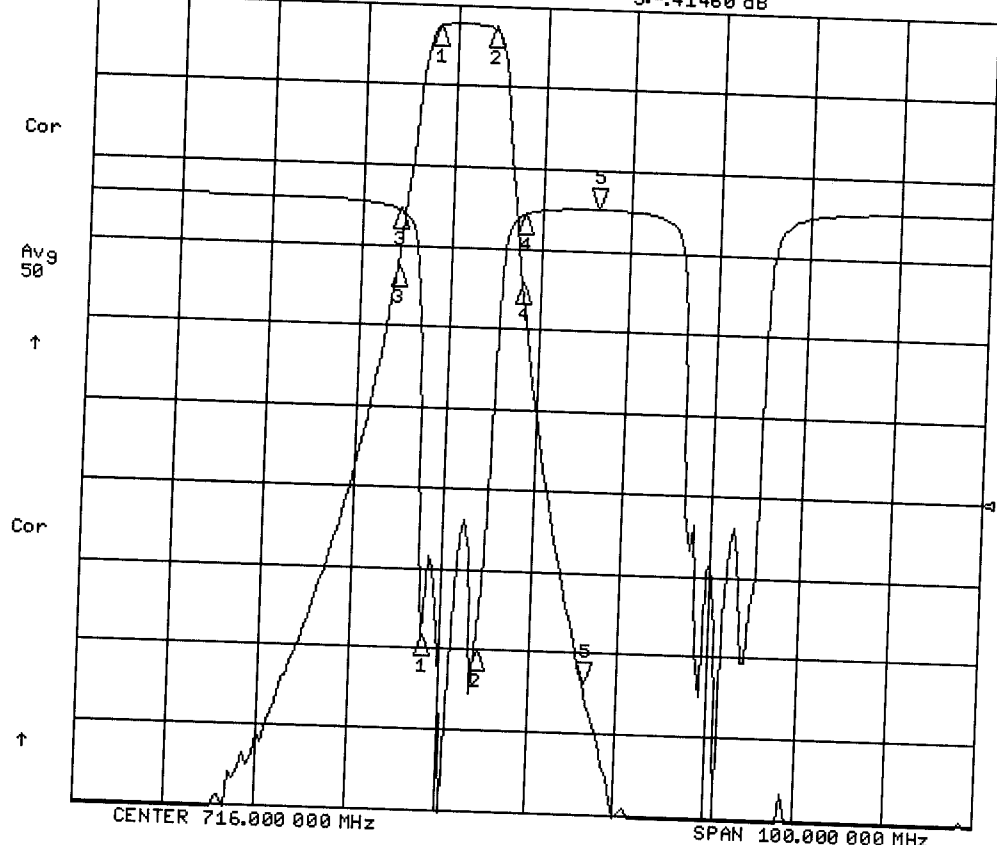
PROPRIETARY DOCUMENT:
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NOTES:

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

DIMENSIONS ARE IN INCHES TOLERANCES ARE: ANGLES DECIMALS ± 1° .X ± .05 XX ± .01 .XXX ± .003		CONTRACT NO:		G-Way Microwave	
TREATMENT		APPROVALS	DATE		
FINISH 63/		DRAWN Segal	03/11	LTE LB-Band Diplexer CD722/LTE-LB/6SK-B1	
MATERIAL		CHECKED	ENG.	SIZE A	CAGE CODE 3K1H4
		DESIGN ACTIVITY		DWG NO: CD722/LTE-LB/6SK-B1	REV. 0
				SCALE None	SHEET 1 OF 1

11 Mar 2011 10:28:27
 CH1 S21 LOG 10 dB/REF 0 dB
 CH2 S11 LOG 5 dB/REF -18 dB
 5: -83.783 dB 722.000 000 MHz
 5: -41.460 dB



- CH1 Markers
- 1: -2.7675 dB
704.000 MHz
 - 2: -2.7038 dB
710.000 MHz
 - 3: -32.841 dB
700.000 MHz
 - 4: -34.547 dB
714.000 MHz

- CH2 Markers
- 1: -27.276 dB
704.000 MHz
 - 2: -28.037 dB
710.000 MHz
 - 3: -.72350 dB
700.000 MHz
 - 4: -.88030 dB
714.000 MHz

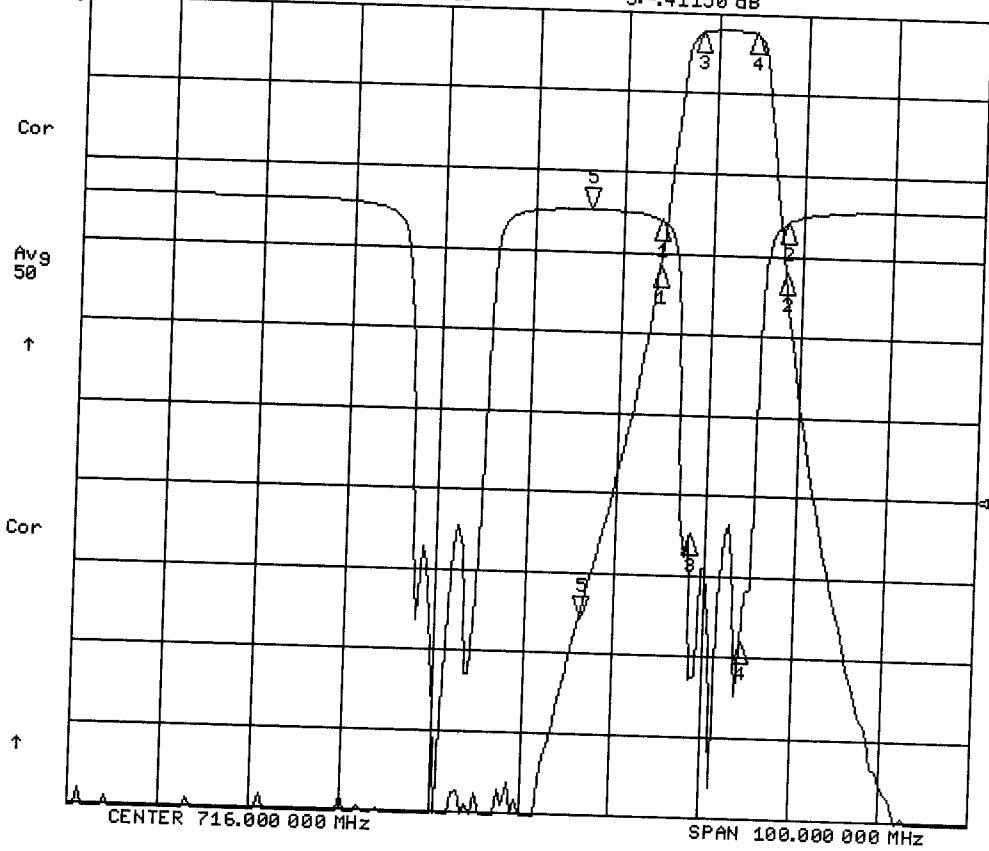
11 Mar 2011 10:28:35
 CH1 S21 LOG 1 dB/REF 0 dB
 CH2 S11 LOG 5 dB/REF -18 dB
 5: -2.1462 dB 707.000 000 MHz
 5: -31.754 dB



- CH1 Markers
- 1: -2.7693 dB
704.000 MHz
 - 2: -2.7018 dB
710.000 MHz
 - 3: -32.840 dB
700.000 MHz
 - 4: -34.547 dB
714.000 MHz

- CH2 Markers
- 1: -26.970 dB
704.000 MHz
 - 2: -28.042 dB
710.000 MHz
 - 3: -.72400 dB
700.000 MHz
 - 4: -.87600 dB
714.000 MHz

CH1 S21 LOG 10 dB/REF 0 dB 11 Mar 2011 10:27:38
 CH2 S11 LOG 5 dB/REF -18 dB 5:-75.615 dB 722.000 000 MHz
 5:-41150 dB



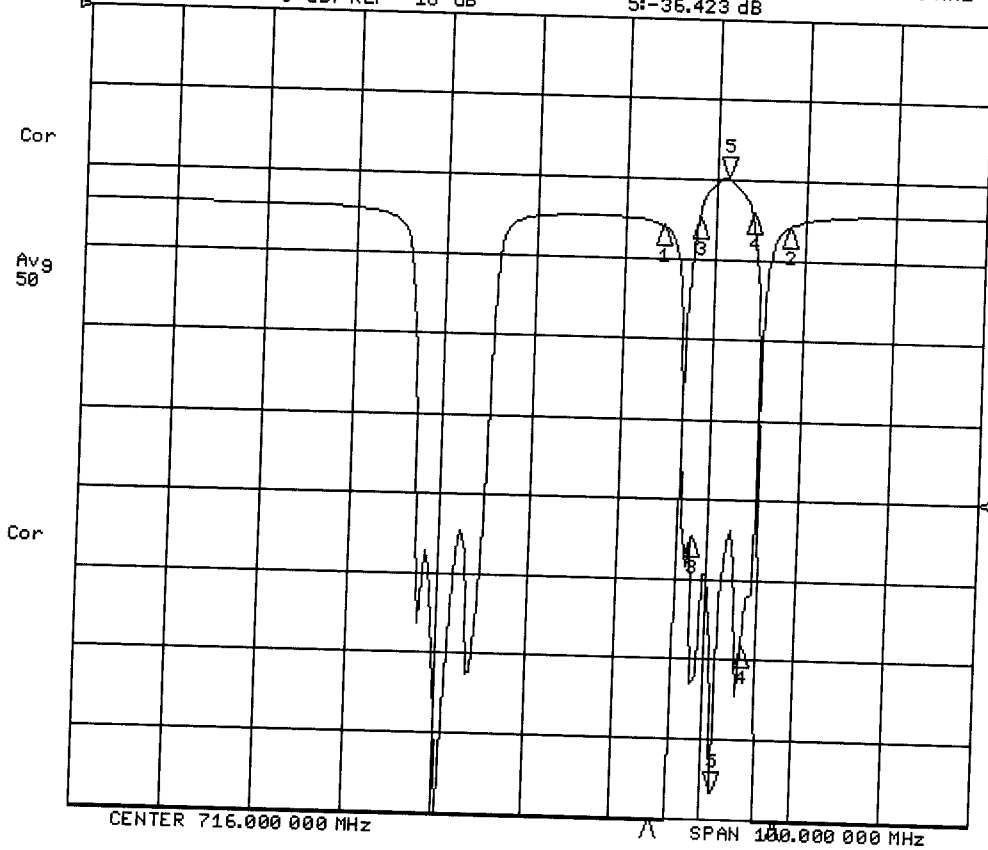
CH1 Markers

- 1:-31.781 dB
730.000 MHz
- 2:-32.250 dB
744.000 MHz
- 3:-2.5072 dB
734.000 MHz
- 4:-2.4340 dB
740.000 MHz

CH2 Markers

- 1:-96040 dB
730.000 MHz
- 2:-96670 dB
744.000 MHz
- 3:-20.541 dB
734.000 MHz
- 4:-27.177 dB
740.000 MHz

CH1 S21 LOG 1 dB/REF 0 dB 11 Mar 2011 10:27:47
 CH2 S11 LOG 5 dB/REF -18 dB 5:-1.9741 dB 737.000 000 MHz
 5:-36.423 dB



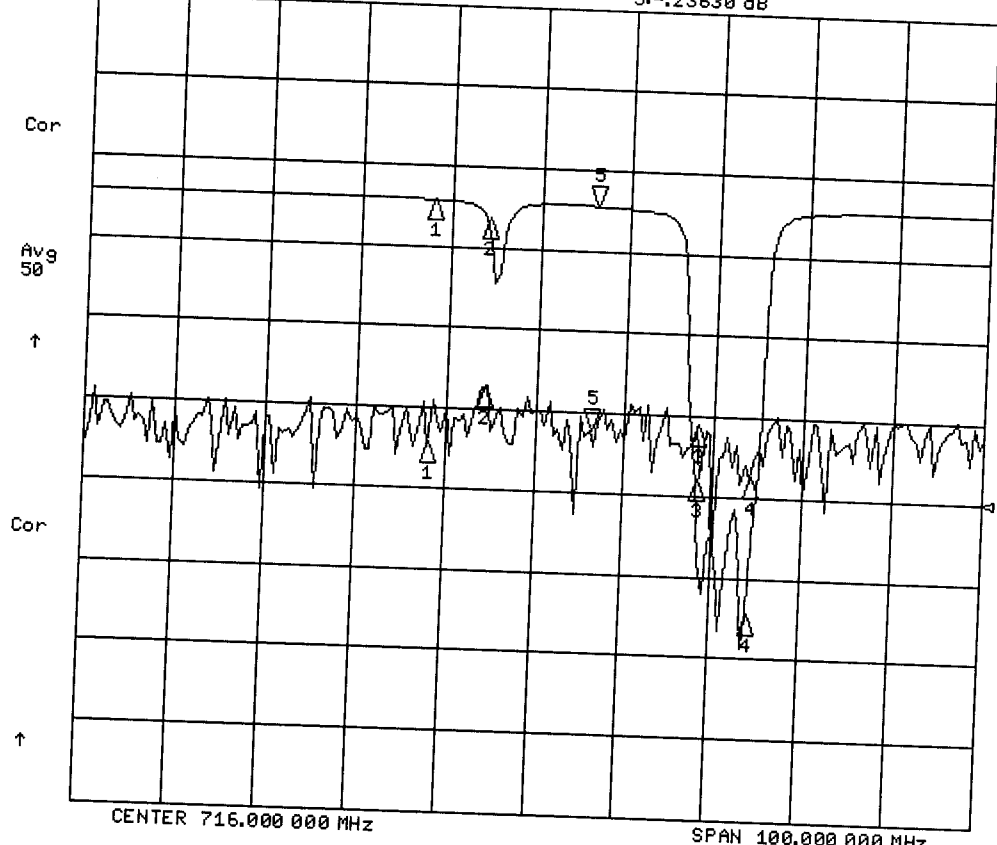
CH1 Markers

- 1:-31.776 dB
730.000 MHz
- 2:-32.257 dB
744.000 MHz
- 3:-2.5101 dB
734.000 MHz
- 4:-2.4337 dB
740.000 MHz

CH2 Markers

- 1:-96070 dB
730.000 MHz
- 2:-96500 dB
744.000 MHz
- 3:-20.398 dB
734.000 MHz
- 4:-27.178 dB
740.000 MHz

CH1 S21 LOG 20 dB/REF 0 dB 11 Mar 2011 10:29:10
 CH2 S11 LOG 5 dB/REF -18 dB 5: -104.56 dB 722.000 000 MHz
 5: -23630 dB

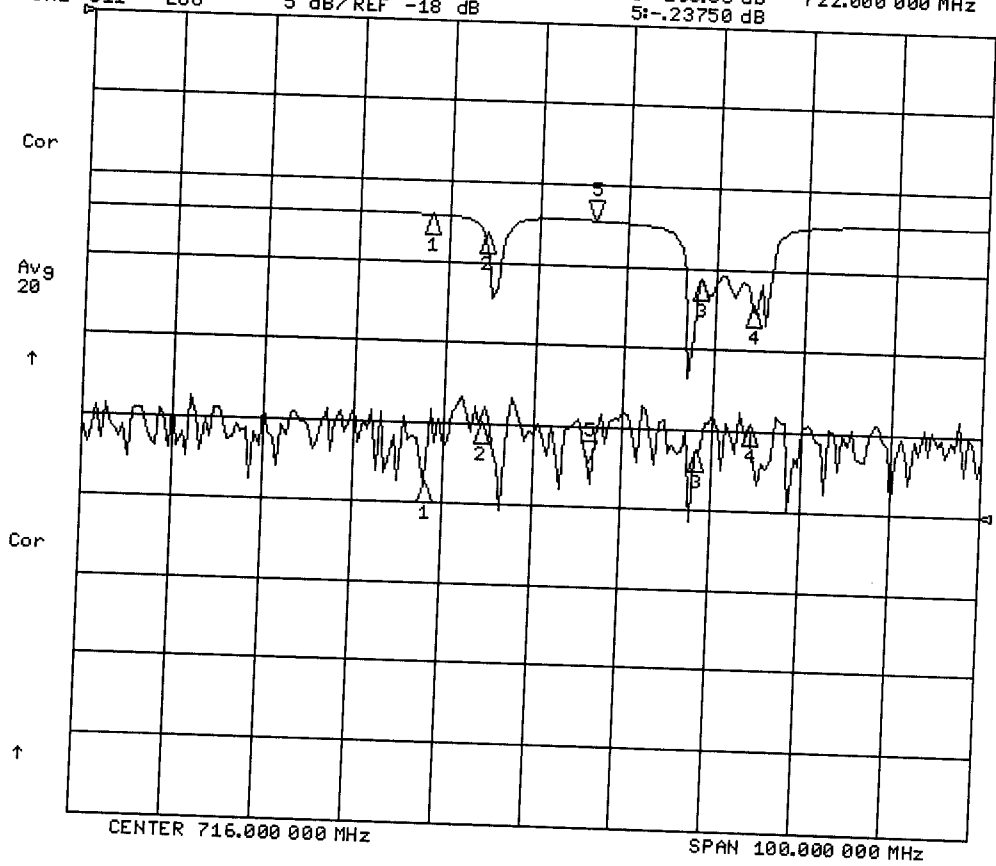


CH1 Markers
 1: -108.87 dB
 704.000 MHz
 2: -94.623 dB
 710.000 MHz
 3: -102.69 dB
 734.000 MHz
 4: -115.03 dB
 740.000 MHz

CH2 Markers
 1: -11130 dB
 704.000 MHz
 2: -1.2917 dB
 710.000 MHz
 3: -17.031 dB
 734.000 MHz
 4: -25.296 dB
 740.000 MHz

CENTER 716.000 000 MHz SPAN 100.000 000 MHz

CH1 S21 LOG 20 dB/REF 0 dB 11 Mar 2011 10:29:15
 CH2 S11 LOG 5 dB/REF -18 dB 5: -108.63 dB 722.000 000 MHz
 5: -23750 dB



CH1 Markers
 1: -115.00 dB
 704.000 MHz
 2: -100.21 dB
 710.000 MHz
 3: -105.66 dB
 734.000 MHz
 4: -98.796 dB
 740.000 MHz

CH2 Markers
 1: -10960 dB
 704.000 MHz
 2: -1.3026 dB
 710.000 MHz
 3: -3.7722 dB
 734.000 MHz
 4: -5.3071 dB
 740.000 MHz

CENTER 716.000 000 MHz SPAN 100.000 000 MHz