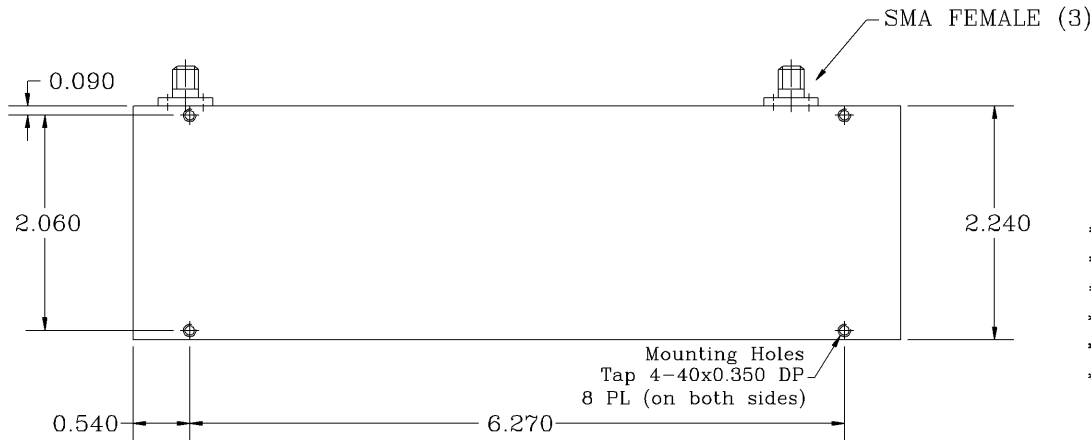
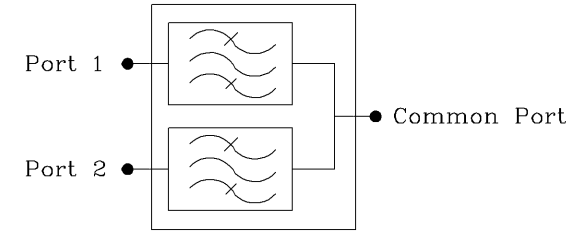
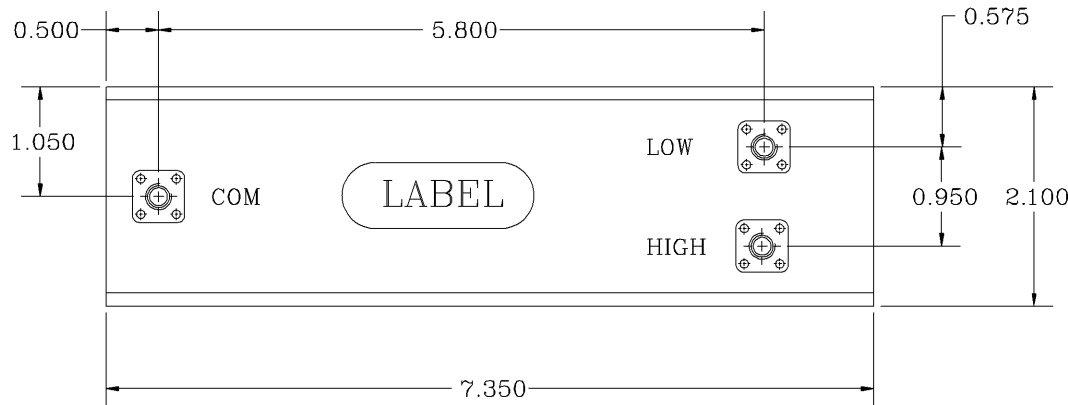


REVISIONS			
REV		DATE	APPROVED



Electrical Specifications

*Low Pass Band Range [MHz]	: 896 to 915
*High Pass Band Range [MHz]	: 935 to 960
*Pass Band Insertion Loss [dB]	: < 1.0, 0.9 (Typ.)
*Low Pass Band Loss @ 896 MHz [dB]	: 2.3 (Max.)
*Pass Band Ripple [dB]	: < 0.5 P-T-P
*Low Band Attenuation @ DC to 867 MHz [dB]	: 60 (Min.), 70 (Typ.)
@ 894 MHz [dB]	: 15 (Min.), 18 (Typ.)
@ 882 & 927 MHz [dB]	: 25 (Min.), 40 (Typ.)
@ 935 to 2000 MHz [dB]	: 60 (Min.), 65 (Typ.)
*High Band Attenuation @ DC to 915 MHz [dB]	: 60 (Min.), 70 (Typ.)
@ 922 & 972 MHz [dB]	: 25 (Min.), 40 (Typ.)
@ 987 to 2000 MHz [dB]	: 60 (Min.), 65 (Typ.)
*Isolation between filters [dB]	: 60 (Min.), 65 (Typ.)
*Pass Band Return Loss [dB]	: -15 (Max.), <1.44:1
*Input/Output Impedance	: 50 ohm
*RF Power Capability CW	: 10 Watts
*Input/Output @ DC Ground Potential	

NOTES:

- BREAK ALL CORNERS & EDGES.005/.010.
- PLATING:
NaZnCN+NaOH MAX .0001THICK
Cu PER ML-C-14550,MAX .0004THICK
Ag PER QQ-S-365,MAX .0005THICK
- FINAL FINISH:
EPOXY GRAY.

NET WEIGHT 1.51lb / .675 kg

OPERATING TEMPERATURE RANGE: -10°C TO +85°C

PROPRIETARY DOCUMENT:
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DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		G-Way Microwave					
ANGLES	DECIMALS	APPROVALS	DATE					TITLE	
± 1°	X ± .05 XX ± .01 XXX ± .003	DRAWN Sivak	09/18	Diplexer GSM900 CD925/19SK-E		SIZE	CAGE CODE	DWG NO:	REV.
TREATMENT	CHECKED	DESIGN ACTIVITY		A	3KI4	CD925/19SK-E-1		0	
FINISH 63	ENG.	MATERIAL AL6061-T6		SCALE None				SHEET 1 OF 1	

①

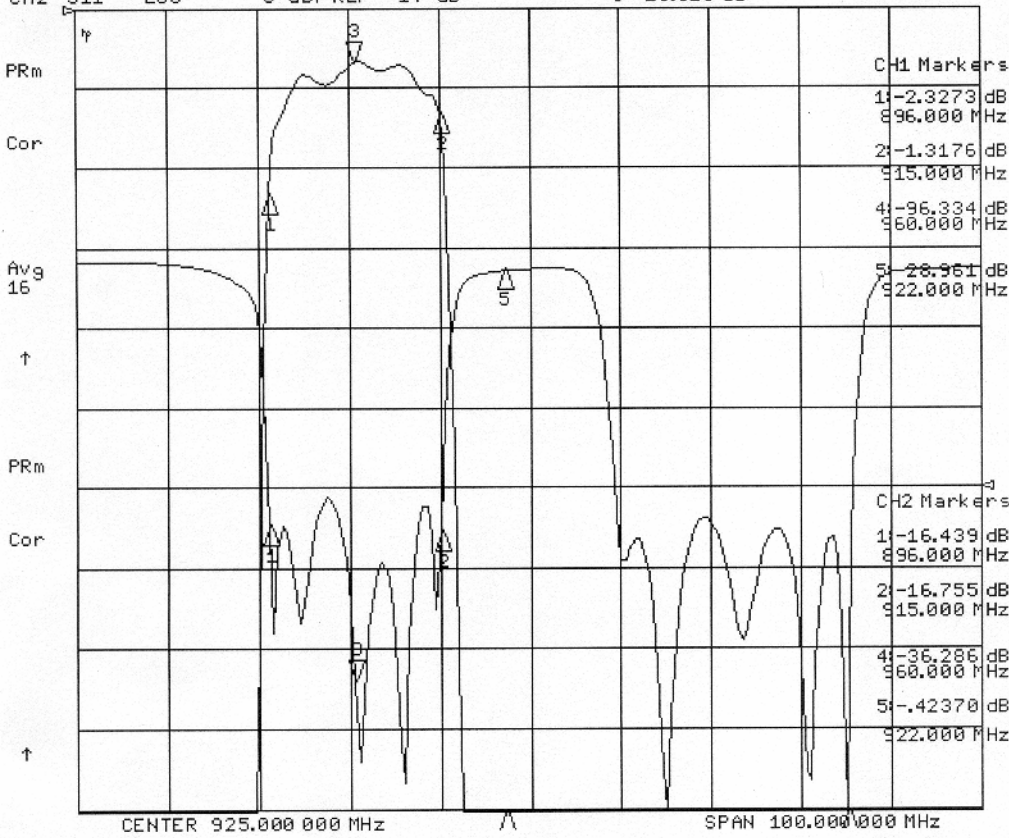
CD025/19SK-E

Low side

18 Sep 2003 11:40:53

CH1 S21 LOG 1 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -14 dB

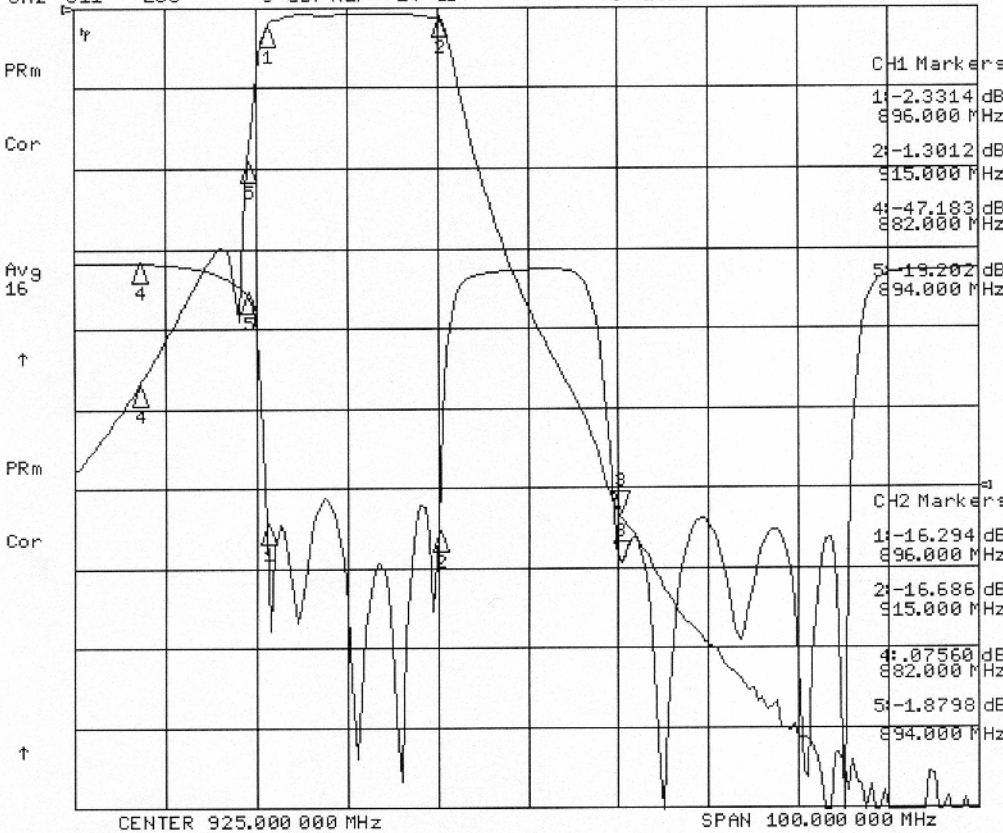
3: -6.7770 dB 905.500 000 MHz
3: -26.019 dB



18 Sep 2003 11:41:50

CH1 S21 LOG 10 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -14 dB

3: -63.157 dB 935.000 000 MHz
3: -18.604 dB



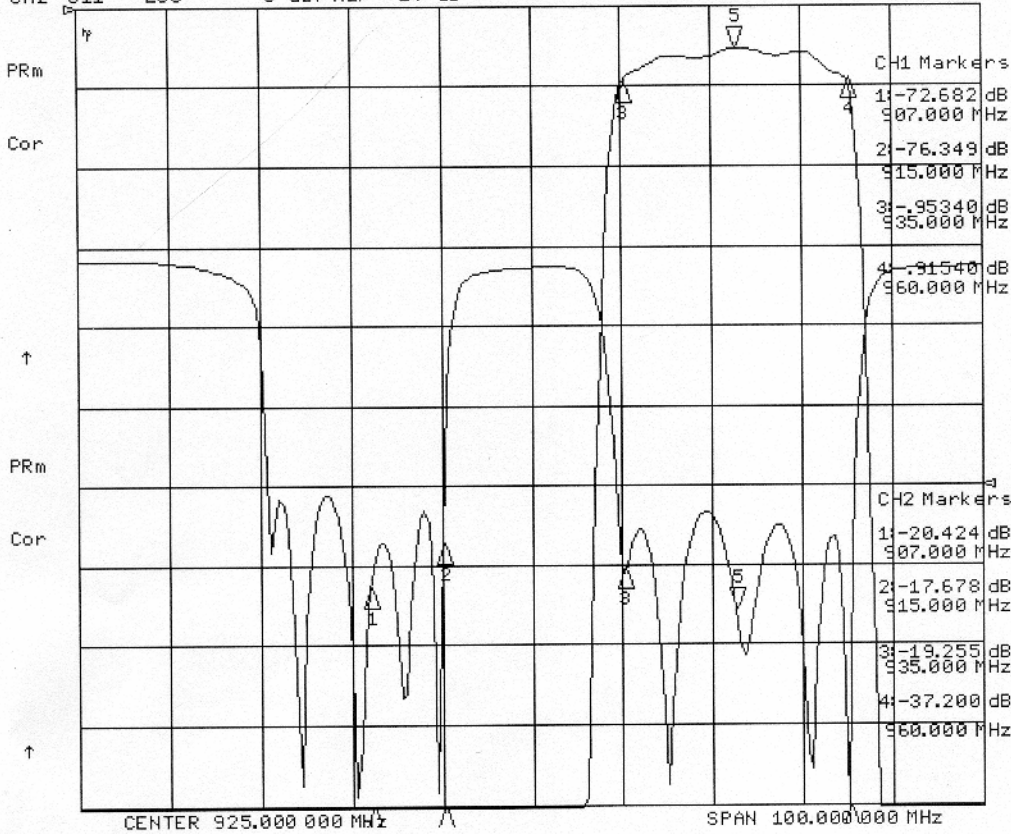
CD 925/19SK-E

High side

(2)

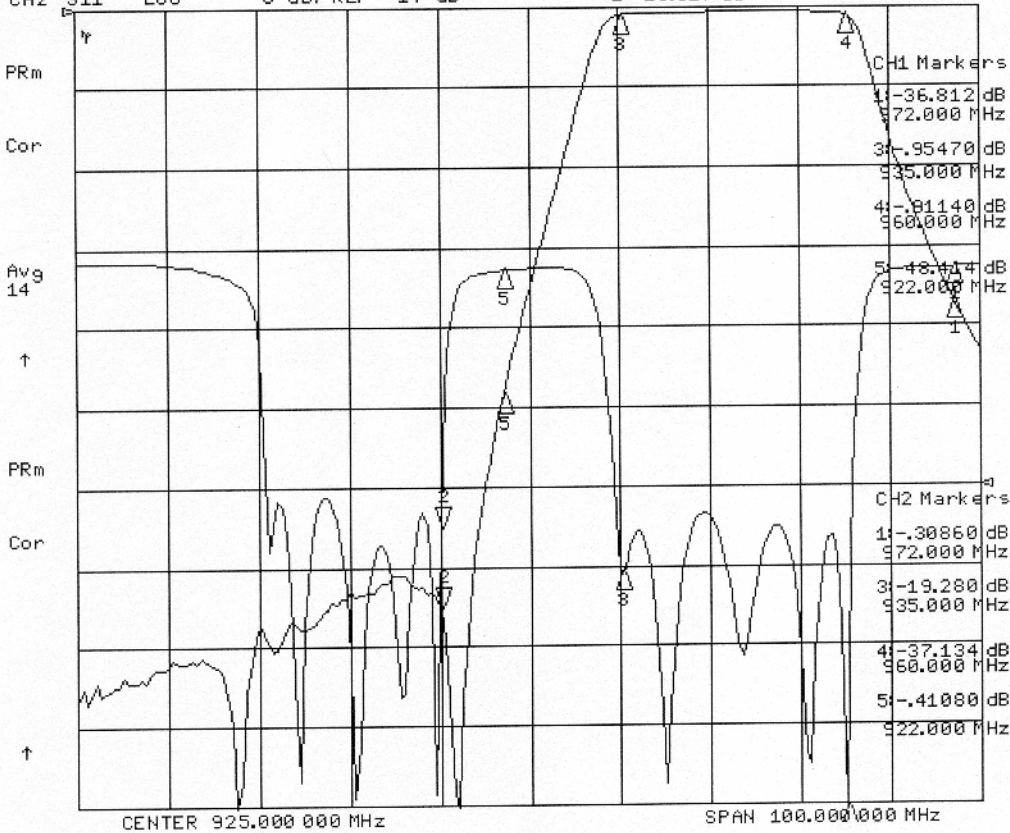
18 Sep 2003 11:38:55

CH1 S21 LOG 1 dB/REF 0 dB 5: -53.150 dB 947.500 000 MHz
CH2 S11 LOG 5 dB/REF -14 dB 5: -21.851 dB



18 Sep 2003 11:39:33

CH1 S21 LOG 10 dB/REF 0 dB 2: -75.196 dB 915.000 000 MHz
CH2 S11 LOG 5 dB/REF -14 dB 2: -16.517 dB

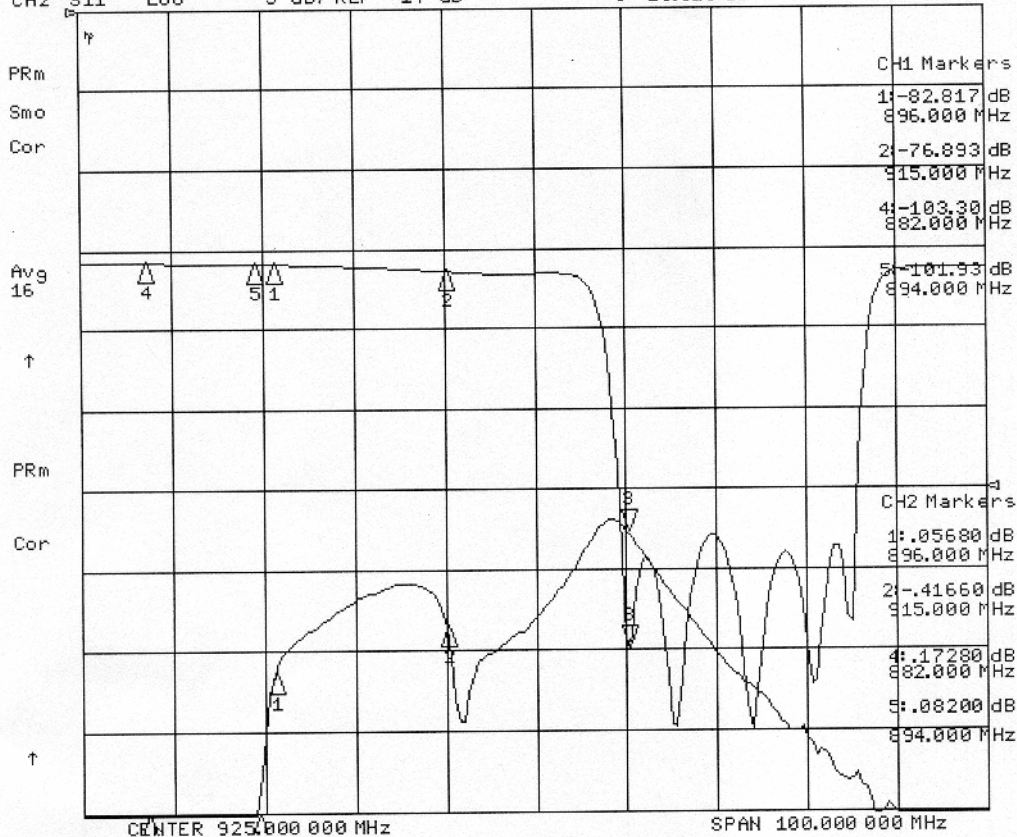


CD925/19SK-E (3)

18 Sep 2003 11:42:12

CH1 S21 LOG 10 dB/REF 0 dB 3:-65.226 dB 935.000 000 MHz
CH2 S11 LOG 5 dB/REF -14 dB 3:-23.819 dB

Isolation
COM @ 50R



18 Sep 2003 11:42:19

CH1 S21 LOG 10 dB/REF 0 dB 3:-61.078 dB 935.000 000 MHz
CH2 S11 LOG 5 dB/REF -14 dB 3:-1.9775 dB

Isolation
COM @ OPEN

