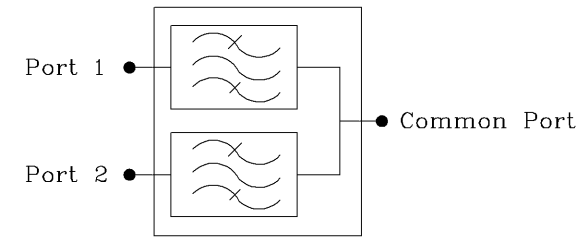
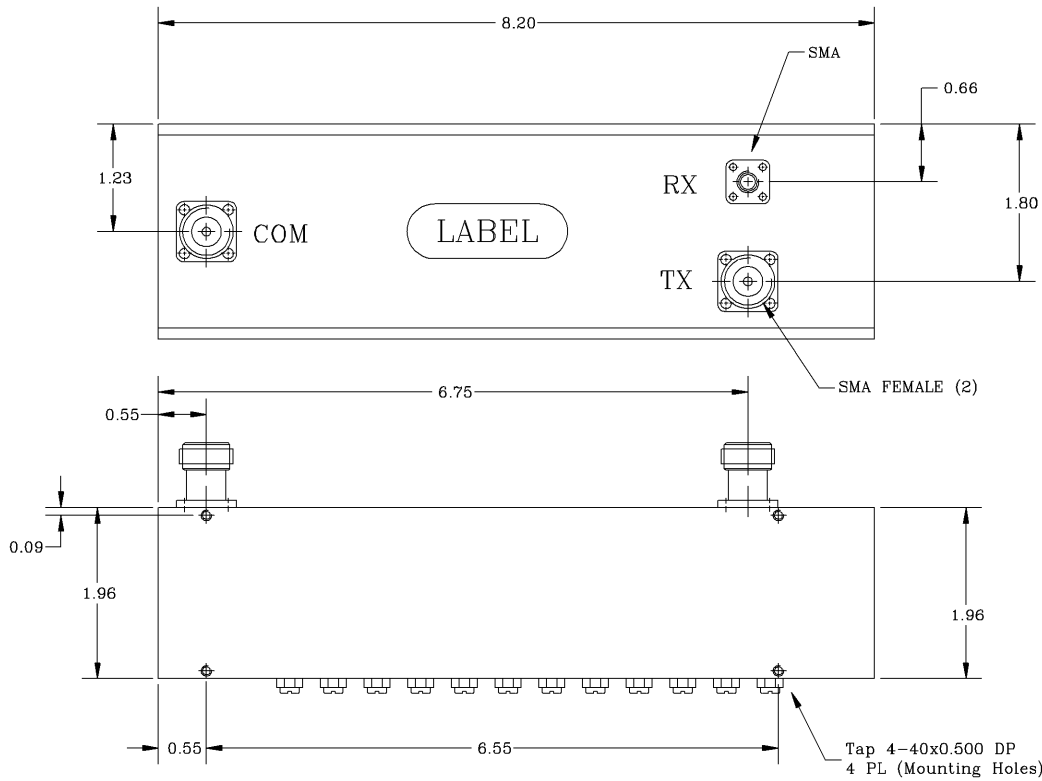


REVISIONS			
REV		DATE	APPROVED



Electrical Specifications

- *Rx Pass Band Frequency Range [MHz] : 1865 to 1880
- *Pass Band Insertion Loss [dB] : <0.8
- *Pass Band Ripple [dB] : < 0.4 P-T-P
- *Rx Attenuation @ DC to -25 MHz from Passband [dB] : 50 (Min.)
- @ Passband + 25 MHz to 2.5 GHz [dB] : 90 (Min.)
- *Pass Band Return Loss [dB] : -17 (Max.), <1.32:1
- *Rx RF Power Capability CW : 10 Watts
- *Tx Pass Band Range [MHz] : 1945 to 1960
- *Pass Band Insertion Loss [dB] : <0.8
- *Pass Band Ripple [dB] : < 0.4 P-T-P
- *Tx Attenuation @ DC to -25 MHz from Passband [dB] : 50 (Min.)
- @ Passband + 25 MHz to 2.5 GHz [dB] : 90 (Min.)
- *Tx RF Power Capability : 70 Watts
- (Composite 4 CDMA Channels per IS95, 3 CDMA Channels ETSI125124 into 3.0:1 load worst case)
- *Pass Band Return Loss [dB] : -17 (Max.), <1.32:1
- *Isolation between Filters [dB] : 90 (Min.), 95 (Typ.)
- *Input/Output Impedance : 50 ohm
- *Input/Output @ DC Ground Potential

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

PROPRIETARY DOCUMENT:
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NOTES:

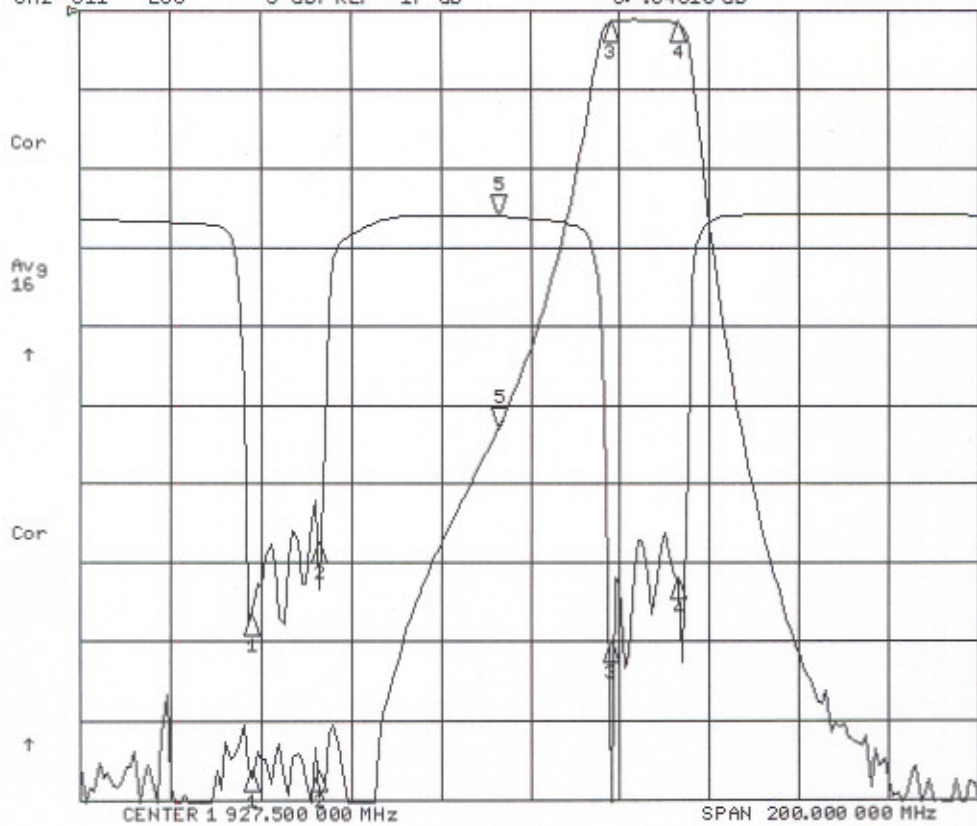
1. BREAK ALL CORNERS & EDGES.005/.010.
2. FINAL FINISH:
EPOXY GRAY - OPTIONAL

DIMENSIONS ARE IN INCHES TOLERANCES ARE		CONTRACT NO:		G-Way Microwave	
ANGLES	DECIMALS	APPROVALS	DATE		
± 1°	X ± .05 XX ± .01 XXX ± .003	DRAWN Sivak	12/04	Diplexer 1900B	REV.
TREATMENT	CHECKED			CD1912.5/15MK-M5	0
FINISH 63/	ENG.			SIZE CAGE CODE DWG NO:	
MATERIAL	DESIGN ACTIVITY			A 3K1H4 CD1912.5/15MK-M5-1	
				SCALE None	SHEET 1 OF 1

CD 1912.5 / 15MK-M5

DIPLEXER 1900 B

23 Feb 2005 11:58:55
[CH1] S21 LOG 10 dB/REF 0 dB 5:-53.010 dB 1 920.000 000 MHz
[CH2] S11 LOG 5 dB/REF -17 dB 5:-.04610 dB



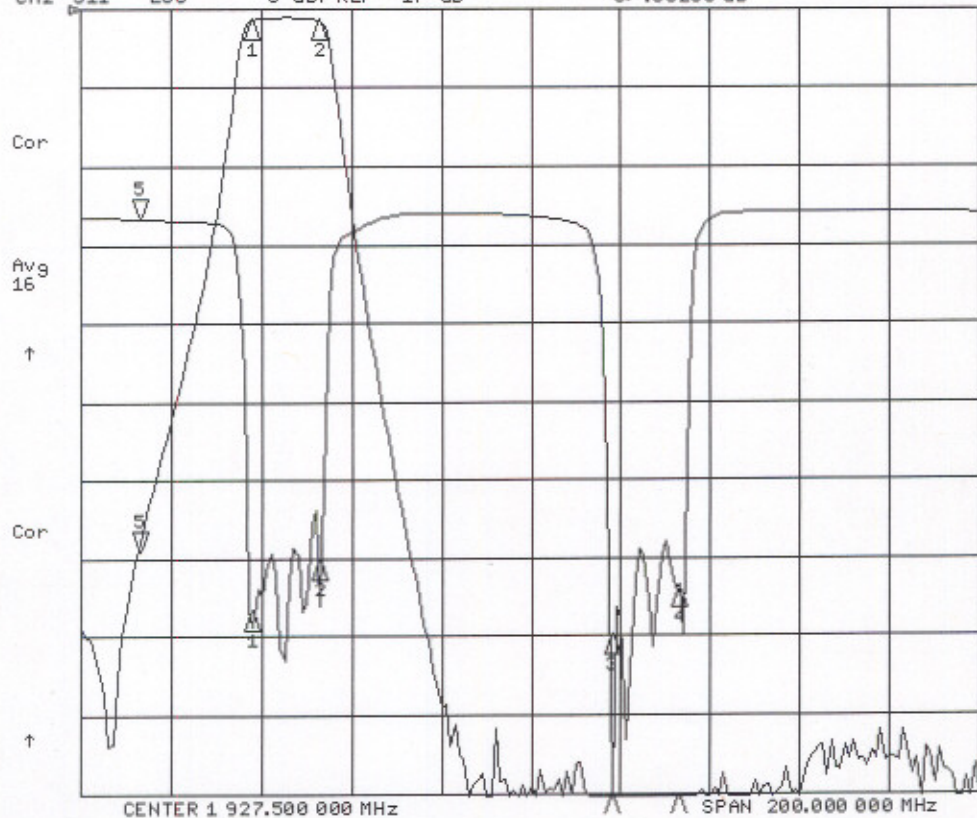
CH1 Markers

1:-96.481 dB
1.86500 GHz
2:-96.512 dB
1.88000 GHz
3:-1.5564 dB
1.94500 GHz
4:-1.5367 dB
1.96000 GHz

CH2 Markers

1:-25.391 dB
1.86500 GHz
2:-20.876 dB
1.88000 GHz
3:-28.003 dB
1.94500 GHz
4:-23.123 dB
1.96000 GHz

23 Feb 2005 11:59:33
[CH1] S21 LOG 10 dB/REF 0 dB 5:-69.128 dB 1 840.000 000 MHz
[CH2] S11 LOG 5 dB/REF -17 dB 5:-.36250 dB



CH1 Markers

1:-1.5211 dB
1.86500 GHz
2:-1.4973 dB
1.88000 GHz
3:-106.26 dB
1.94500 GHz
4:-103.55 dB
1.96000 GHz

CH2 Markers

1:-25.436 dB
1.86500 GHz
2:-22.088 dB
1.88000 GHz
3:-28.243 dB
1.94500 GHz
4:-23.875 dB
1.96000 GHz