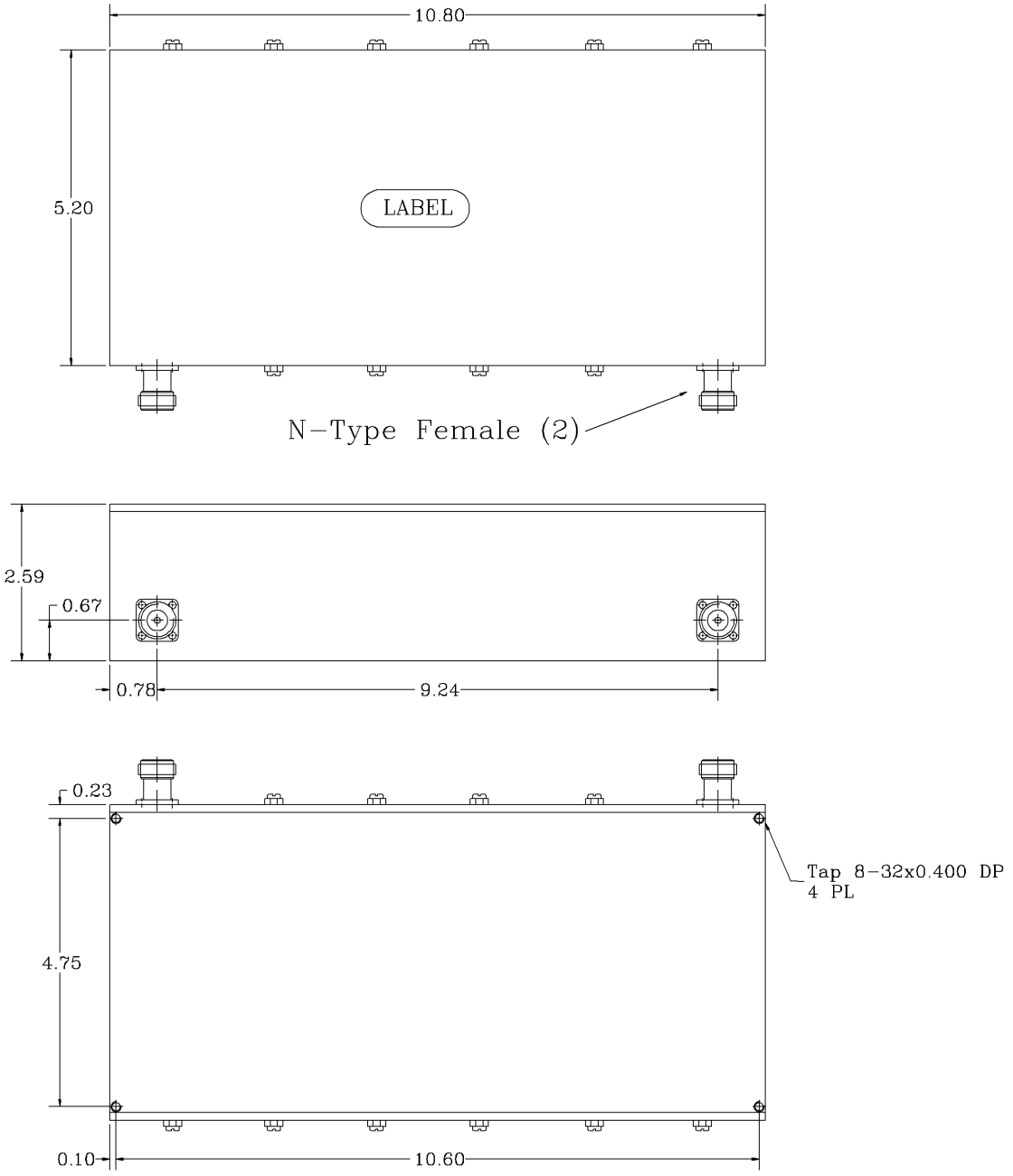
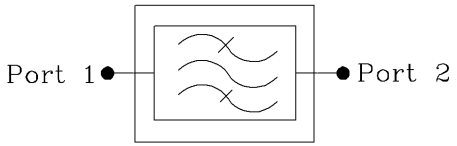
REVISIONS			
REV		DATE	APPROVED





Electrical Specifications

*Pass Band Center Frequency Fo [MHz]	: 490
*Insertion Loss @ Fo [dB]	: <1.6
*3-dB Pass Band [MHz]	: Fo±4 (Min.)
*Ripple over Fo± 4.0 MHz [dB]	: <0.6 P-T-P
*Attenuation @ Fo± 7.4 MHz [dB]	: 40 (Min.), 50 (Typ.)
@ Fo± 11.5 MHz [dB]	: 70 (Min.), 80 (Typ.)
*Ultimate Attenuation Fo± 22 MHz [dB]	: 70 (Min.)
*Pass Band Return Loss [dB]	: -18 (Max.), <1.28:1
*Input/Output Impedance	: 50 ohm
*RF Power Capability CW	: 25 Watts

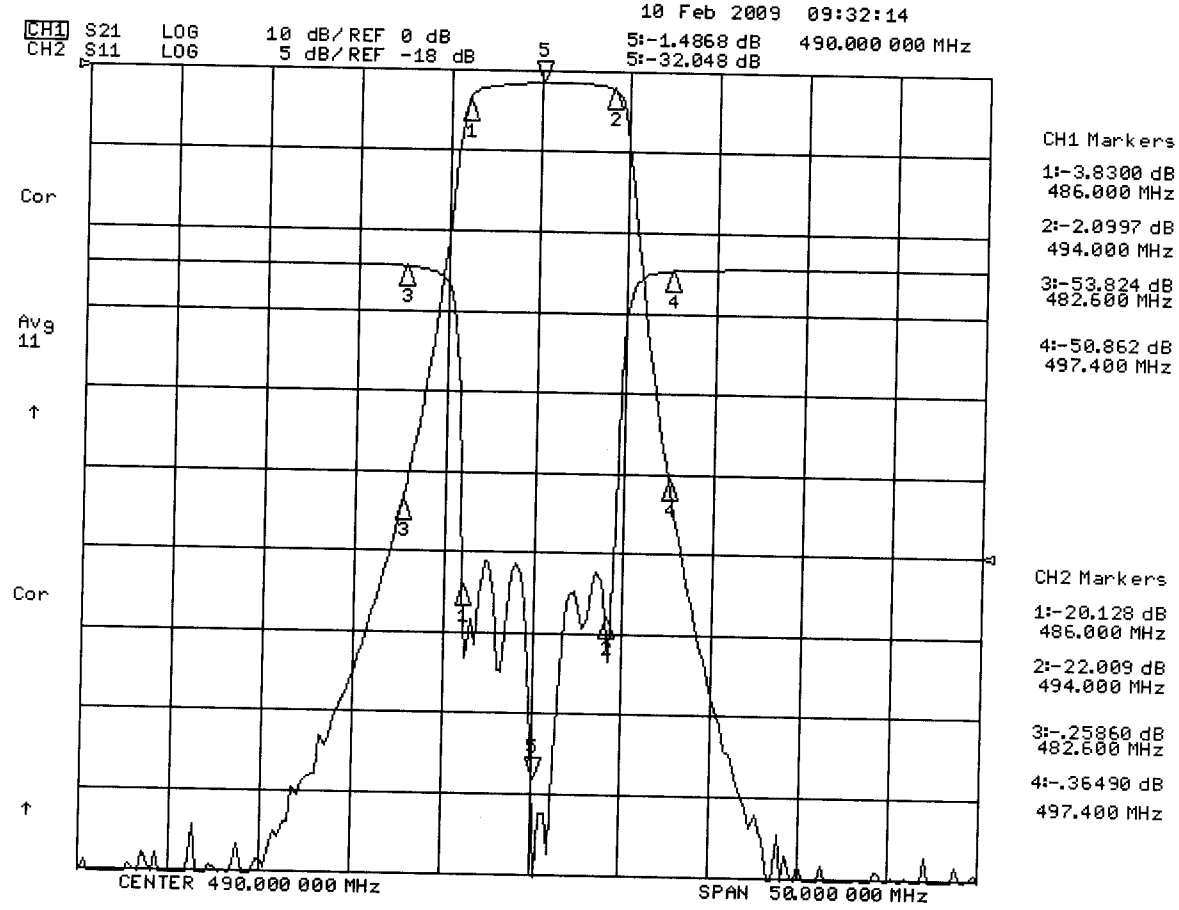
OPERATING TEMPERATURE RANGE: -40°C TO +85°C

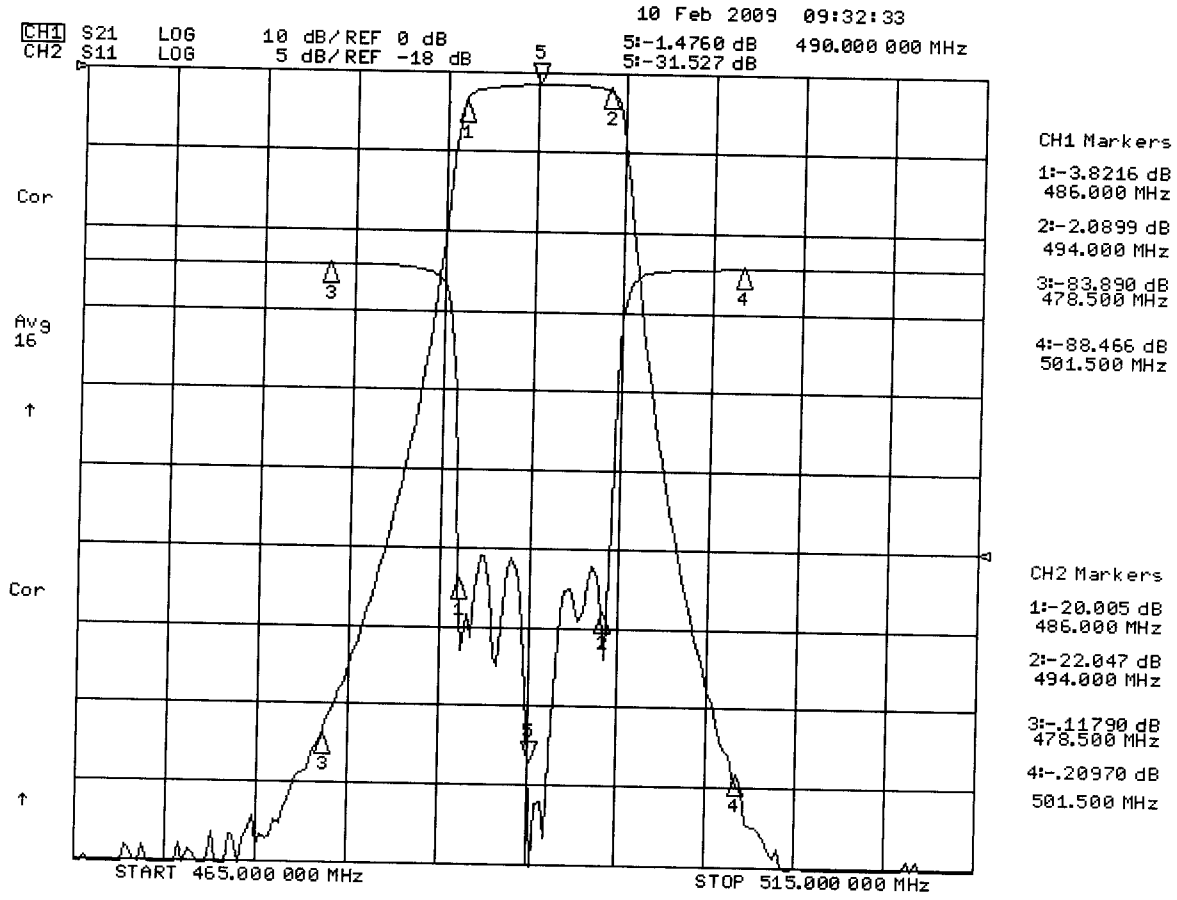
NOTES:

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

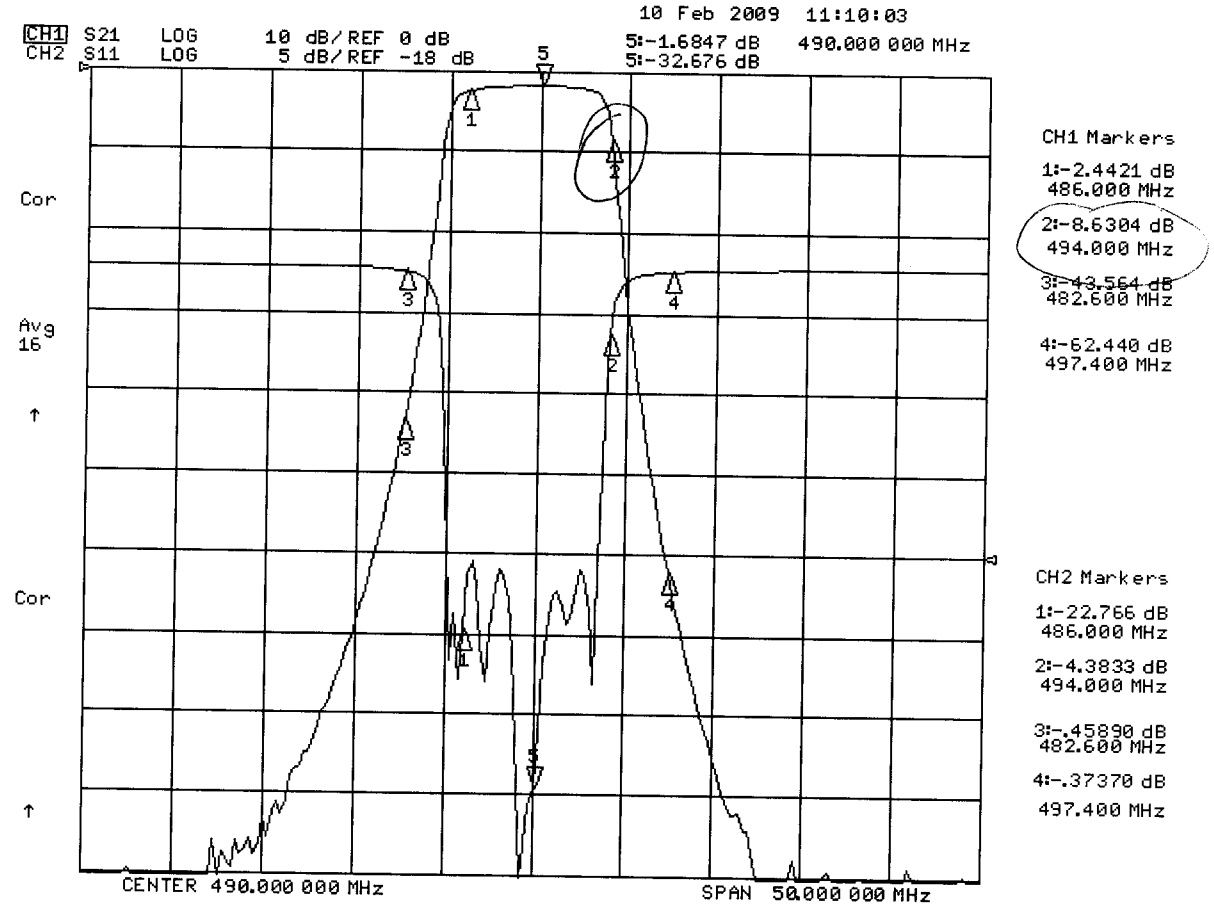
DIMENSIONS ARE IN INCHES. TOLERANCES ARE: ANGLES ± 1° DECIMALS .X ± .05 .XX ± .01 .XXX ± .003	CONTRACT NO:		G-Way Microwave
	APPROVALS	DATE	TITLE: Band Pass Filter 490 MHz CB490/8SK-F5
TREATMENT	DRAWN Segal	01/09	
FINISH 63	CHECKED		SIZE A | CAGE CODE 3K1H4 | DWG NO: CB490/8SK-F5-1 | REV. 0
MATERIAL AL6061-T6	ENG.		
	DESIGN ACTIVITY		SCALE None | SHEET 1 OF 1

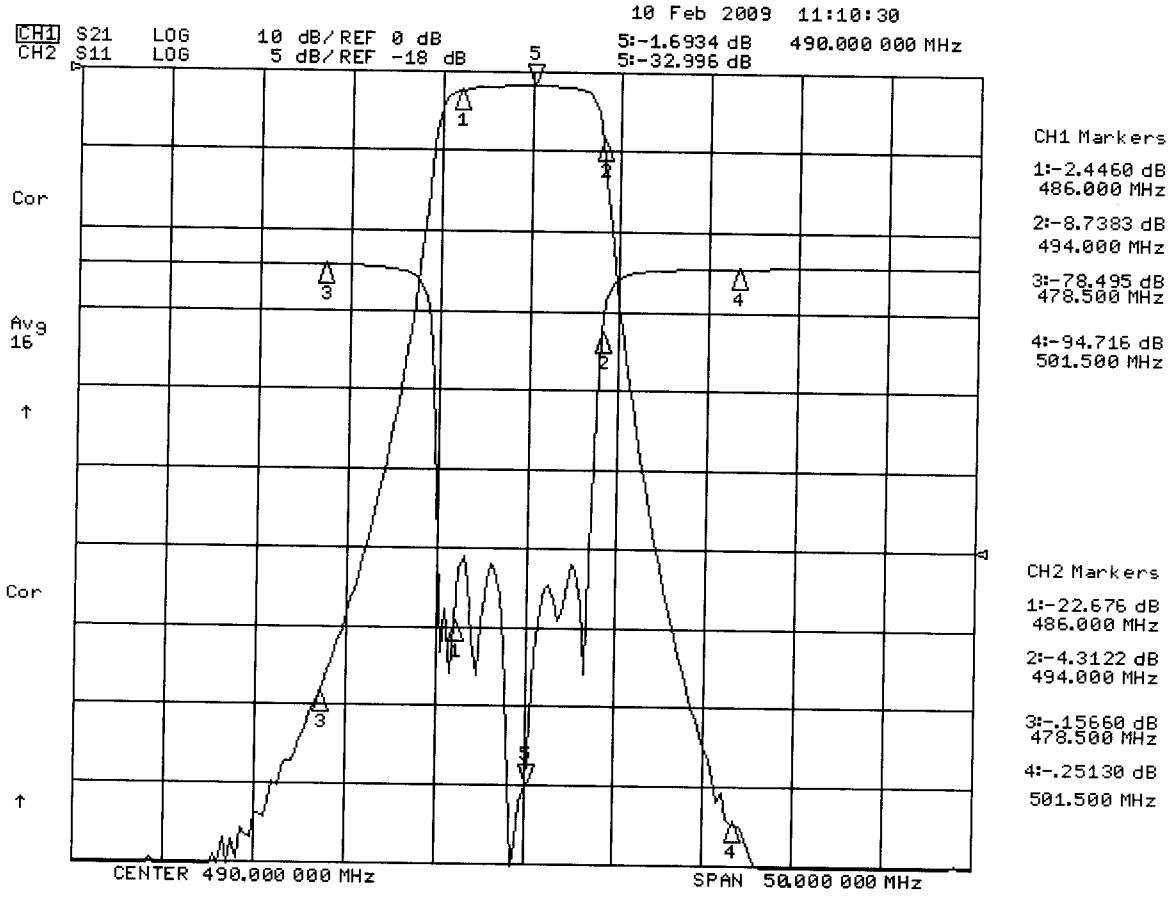
-40°C


CH1 S21 LOG 10 dB/ REF 0 dB
CH2 S11 LOG 5 dB/ REF -18 dB
10 Feb 2009 09:32:14
5:-1.4868 dB 490.000 000 MHz
5:-32.048 dB
Cor
Avg 11
Cor
CENTER 490.000 000 MHz
SPAN 50.000 000 MHz
CH1 Markers
1:-3.8300 dB
486.000 MHz
2:-2.0997 dB
494.000 MHz
3:-53.824 dB
482.600 MHz
4:-50.862 dB
497.400 MHz
CH2 Markers
1:-20.128 dB
486.000 MHz
2:-22.009 dB
494.000 MHz
3:-.25860 dB
482.600 MHz
4:-.36490 dB
497.400 MHz


CH1 S21 LOG 10 dB/ REF 0 dB
CH2 S11 LOG 5 dB/ REF -18 dB
10 Feb 2009 09:32:33
5:-1.4760 dB 490.000 000 MHz
5:-31.527 dB
Cor
Avg 16
Cor
START 465.000 000 MHz
STOP 515.000 000 MHz
CH1 Markers
1:-3.8216 dB
486.000 MHz
2:-2.0899 dB
494.000 MHz
3:-83.890 dB
478.500 MHz
4:-88.466 dB
501.500 MHz
CH2 Markers
1:-20.005 dB
486.000 MHz
2:-22.047 dB
494.000 MHz
3:-.11790 dB
478.500 MHz
4:-.20970 dB
501.500 MHz

+85°C


10 Feb 2009 11:10:03
CH1 S21 LOG 10 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -18 dB
5:-1.6847 dB 490.000 000 MHz
5:-32.676 dB
Cor
Avg 16
Cor
CENTER 490.000 000 MHz
SPAN 50.000 000 MHz
CH1 Markers
1:-2.4421 dB
486.000 MHz
2:-8.6304 dB
494.000 MHz
3:-43.564 dB
482.600 MHz
4:-62.440 dB
497.400 MHz
CH2 Markers
1:-22.766 dB
486.000 MHz
2:-4.3833 dB
494.000 MHz
3:-.45890 dB
482.600 MHz
4:-.37370 dB
497.400 MHz


10 Feb 2009 11:10:30
CH1 S21 LOG 10 dB/REF 0 dB
CH2 S11 LOG 5 dB/REF -18 dB
5:-1.6934 dB 490.000 000 MHz
5:-32.996 dB
Cor
Avg 16
Cor
CENTER 490.000 000 MHz
SPAN 50.000 000 MHz
CH1 Markers
1:-2.4460 dB
486.000 MHz
2:-8.7383 dB
494.000 MHz
3:-78.495 dB
478.500 MHz
4:-94.716 dB
501.500 MHz
CH2 Markers
1:-22.676 dB
486.000 MHz
2:-4.3122 dB
494.000 MHz
3:-.15660 dB
478.500 MHz
4:-.25130 dB
501.500 MHz