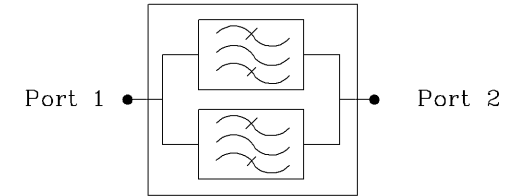
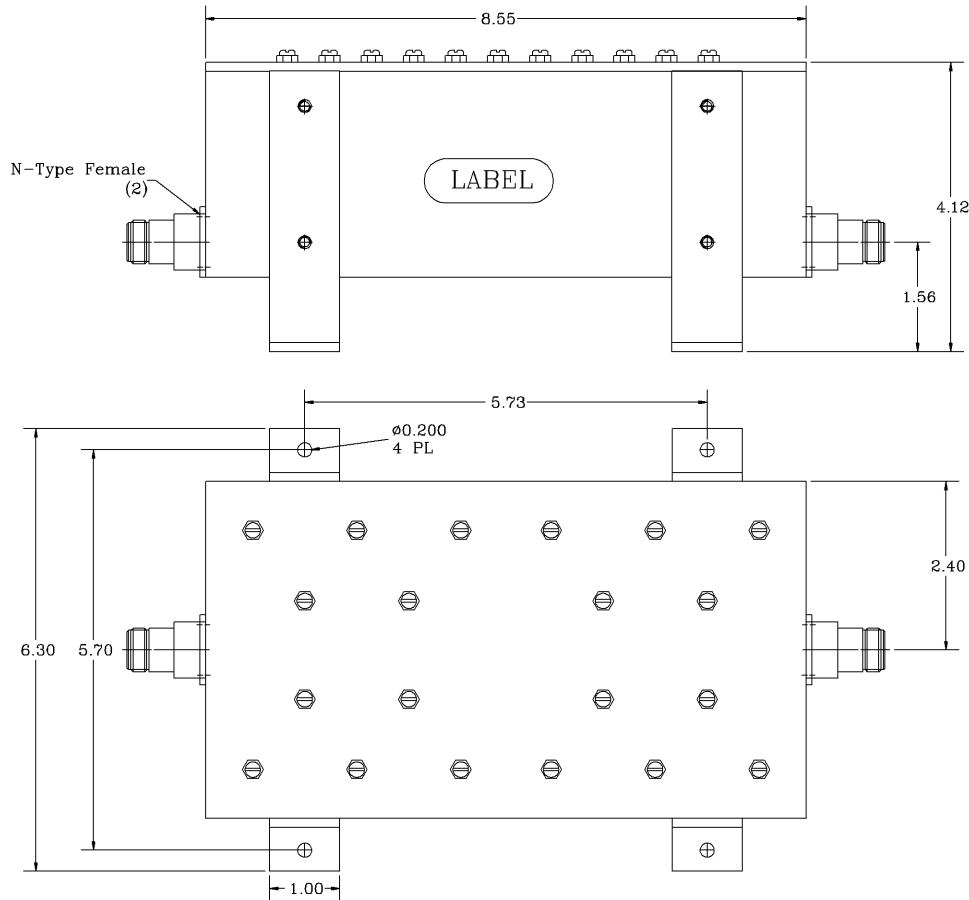


| REVISIONS |  |       |          |
|-----------|--|-------|----------|
| REV       |  | DATE  | APPROVED |
| A         | Standard FIM information added.  | 05/10 | G. David |
| B         | Connectors changed to 1" Low FIM version with ECN generated to support the change. | 09/10 | G. David |



### Electrical Specifications

- \*Up-Link 1dB Frequency Range [MHz] : 824-849
- \*Insertion Loss @ Center Frequency [dB] : <0.8
- \*Rejection DC to 800 MHz [dB] : 50 (Min.)
  - @ 800 to 821 MHz [dB] : 35 (Min.)
  - @ 851 to 866 MHz [dB] : 30 (Min.), 35 (Typ.)
  - @ 960 to 1990 MHz [dB] : 50 (Min.)
- \*Down-Link 1dB Frequency Range [MHz] : 869-894
- \*Insertion Loss @ Center Frequency [dB] : <0.8
- \*Rejection DC to 849 MHz [dB] : 80 (Min.)
  - @ 851 to 866 MHz [dB] : 30 (Min.), 35 (Typ.)
  - @ 896 to 960 MHz [dB] : 30 (Min.), 35 (Typ.)
  - @ 960 to 1990 MHz [dB] : 50 (Min.)
- \*Passband Ripple [dB] : 0.4 P-T-P
- \*RF Power Capability CW DL : 60 Watts
- PEAK DL : 600 Watts
- \*IM Products, IM3 @ 2 x +33 dBm [dBc] : -143 (Min.)
- \*IM Products, IM3 @ 2 x +43 dBm [dBc] : -133 (Typ.)
- \*Input/Output Impedance : 50 ohm
- \*VSWR IN/OUT : < 1.28:1
- \*Input/Output @ DC Ground Potential
- \*Finish: Epoxy Gray - optional

NOTES:

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

OPERATING TEMPERATURE RANGE: -10°C TO +60°C

PROPRIETARY DOCUMENT:  
THE CONTENTS OF THIS DOCUMENT WITH ALL INFORMATION AND PROCESSES ARE THE SOLE PROPERTY OF G-Way Microwave. THIS DOCUMENT MAY NOT BE DUPLICATED OR DISCLOSED TO ANY PARTY EXCEPT BY EXPRESSLY WRITTEN PERMISSION. THE ONLY AUTHORIZED USE OF THIS DOCUMENT BY A VENDOR IS FOR QUOTE PURPOSES AND SAID VENDOR AGREES NOT TO DISCLOSE ITS CONTENTS TO ANY THIRD PARTY. THIS DOCUMENT IS COPYRIGHTED 1998.

SKU # 98021019

|  |                                   |              |           |                        |                                    |
|--|-----------------------------------|--------------|-----------|------------------------|------------------------------------|
| DIMENSIONS ARE IN INCHES<br>TOLERANCES ARE |                                   | CONTRACT NO: |           | <b>G-Way Microwave</b> |                                    |
| ANGLES                                     | DECIMALS                          | APPROVALS    | DATE      |                        |                                    |
| ± 1°                                       | X ± .05<br>XX ± .01<br>XXX ± .003 | DRAWN        | Segal     | 05/05                  | Duplexer Cell AB<br>CBB859/25SK-D3 |
| TREATMENT                                  | CHECKED                           | SIZE         | CAGE CODE | DWG NO:                | REV.                               |
| FINISH                                     | ENG.                              | A            | 3K1H4     | CBB859/25SK-D3-1       | B                                  |
| MATERIAL                                   | DESIGN ACTIVITY                   | SCALE        | None      |                        | SHEET 1 OF 1                       |
| AL6061-T6                                  |                                   |              |           |                        |                                    |