



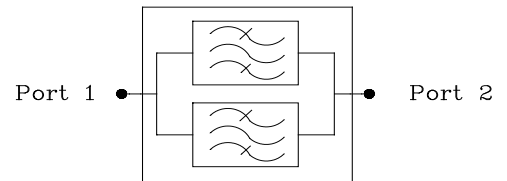
The CBB846/10MK-S1 is a High "Q" Low PIM Cell B+B', 2 port device - **Duplexer**. This unit will reject Cell A' Uplink signal while improving overall selectivity of the system. Best solution for already existing Repeater solution. Similar solution is offered for Downlink application and as a complete DL/UL solution as an assembly wall-mount, rack mount. Please call for other options, including Notch Filter.



Model: CBB846/10MK-S1

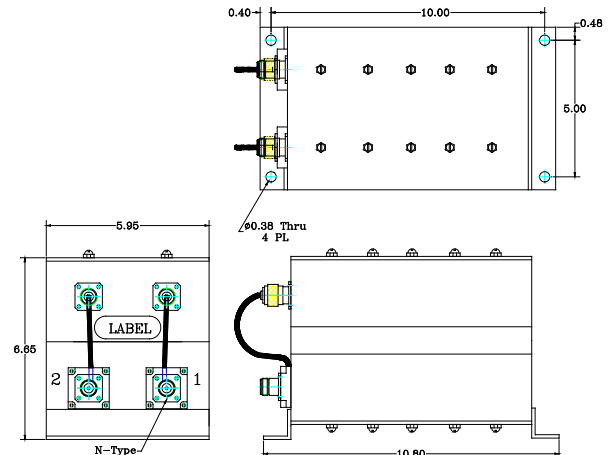
1. Electrical Characteristics	
Item	Value
CELL B 1dB Pass Band Frequency Range [MHz]	835 ~ 845
CELL B' 1dB Pass Band Frequency Range [MHz]	846.5 ~ 849
CELL B Pass Band Insertion Loss @ Fo [dB]	< 0.9, 0.8 (Typ.)
CELL B' Pass Band Insertion Loss @ Fo [dB]	< 2.5, 2.0 (Typ.)
Pass Band Ripple [dB]	< 0.4 P-T-P
Rejection @ DC to 801 MHz [dBc]	30 (Min.)
Rejection @ 845.5 & 846 MHz [dBc]	10 (Min.)
Rejection @ 845.75 MHz [dBc]	25 (Min.), 30 (Typ.)
IM Products, IM3 @ 2 x 33 dBm [dBc]	-143 (Min.)
IM Products, IM3 @ 2 x 43 dBm [dBc]	-133 (Typ.)
VSWR Both Pass Bands	< 1.28:1
Input/Output	DC Potential
Input / Output Impedance	50 Ω
RF power Capability CW	80 Watts
RF power Capability PEAK	850 Watts

5. Block Diagram



6. Outline Drawing

2. Mechanical Characteristics	
Final Finish (OPTIONAL)	□ Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	10.8" x 6.0" x 6.7"
Weight [lb / kg]	11.4 / 5.1
Connectors (Other connectors option are available: please call)	N-Type Female (LOW PIM)



3. Environment Characteristics	
Operating Temperature	-20°C ~ +65°C

4. Plots

