



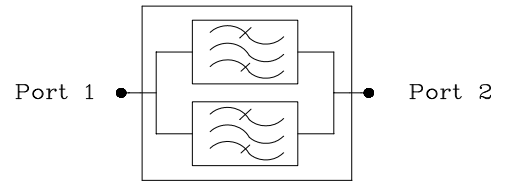
The CBB835/10MK-S1 is a High "Q" Low PIM Cell A+A', 2 Port device - Duplexer. This unit will reject Cell B Uplink signal while improving overall selectivity of the system. Best solution for already existing Repeater solution. Similar solution is offered for Downlink application and as a complete DL/UL solution as an assembly wall-mount, rack mount. Please call for other options, including Notch Filter.



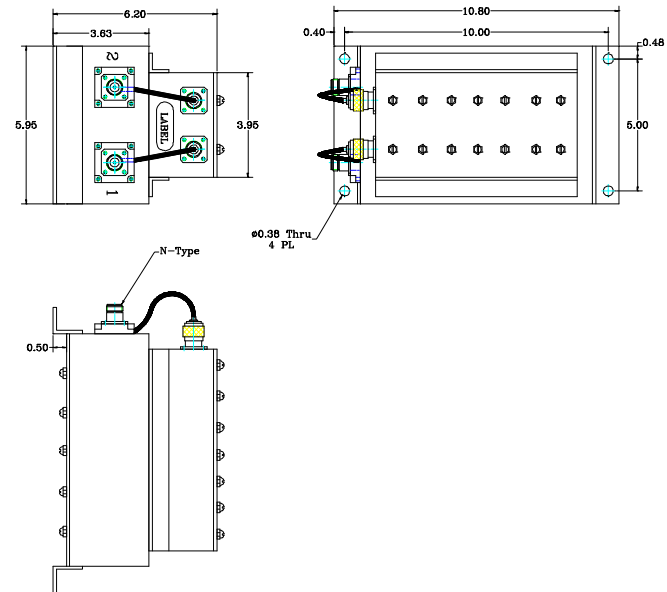
**Model: CBB835/10MK-S1**

1. Electrical Characteristics	
Item	Value
CELL A 1dB Pass Band Frequency Range [MHz]	824 ~ 835
CELL A' 1dB Pass Band Frequency Range [MHz]	845 ~ 846.5
CELL A Pass Band Insertion Loss @ Fo [dB]	< 1.8, 1.6 (Typ.)
CELL A' Pass Band Insertion Loss @ Fo [dB]	< 2.8, 2.6 (Typ.)
Pass Band Ripple [dB]	< 0.4 P-T-P
Rejection @ DC to 821 MHz [dBc]	30 (Min.)
Rejection @ 837 to 844 MHz [dBc]	30 (Min.), 35 (Typ.)
Rejection @ 847.5 to 851 MHz [dBc]	30 (Min.), 35 (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]	11.0 / 4.95
Connectors (Other connectors option are available: please call)	N-Type Female (LOW PIM)

**3. Environment Characteristics**

Operating Temperature	-20°C ~ +65°C
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**4. Plots**

