



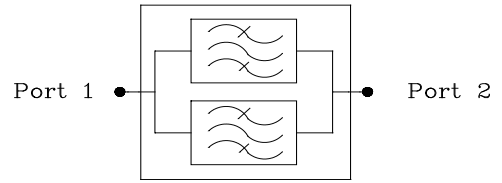
The CBB838/18SK-S1 is a High “Q” Low PIM ESMR 2 port device - **Duplexer**. This is the most economic approach to enhance selectivity of a Repeater to avoid interferences from other Wireless Services. Best solution for already existing Repeater solution. Excellent choice for DAS where several Service providers are combined in to one system. Please call for Higher “Q” options.



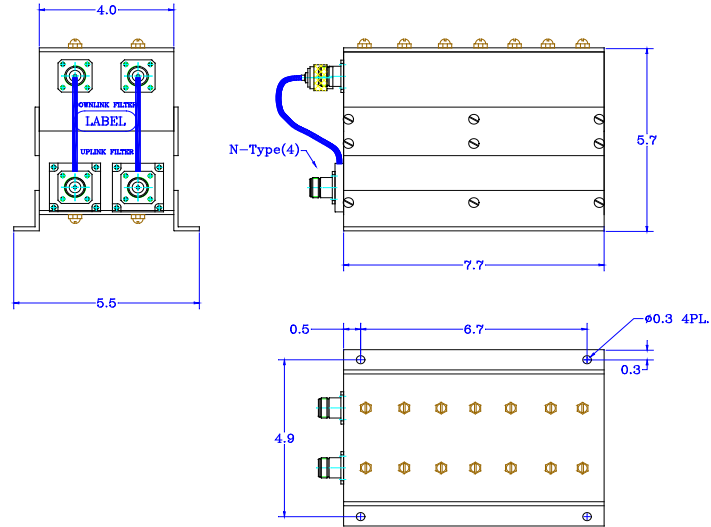
**Model: CBB838/18SK-S1**

1. Electrical Characteristics	
Item	Value
Uplink 1dB Pass Band Frequency Range [MHz]	806 ~ 824
Downlink 1dB Pass Band Frequency Range	851 ~ 869
Uplink Pass Band Insertion Loss @ Fo [dB]	< 0.7, 0.5 (Typ.)
Downlink Pass Range Insertion Loss @ Fo [dB]	< 0.7, 0.5 (Typ.)
Pass Band Ripple [dB]	< 0.4 P-T-P
Rejection @ DC to 760 MHz [dBc]	80 (Min.)
Rejection @ 760 to 849 MHz [dBc]	35 (Min.)
Rejection @ 871 to 880 MHz [dBc]	30 (Min.), 35 (Typ.)
Rejection @ 880 to 2500 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	60 Watts
RF power Capability PEAK	750 Watts

**5. Block Diagram**



**6. Outline Drawing**



2. Mechanical Characteristics	
Final Finish (OPTIO□AL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	5.5” x 7.7” x 5.7”
Weight [lb / kg]	8.5/ 3.9
Connectors	N-Type Female (LOW PIM)

3. Environment Characteristics	
Operating Temperature	-10°C ~ +65°C

**4. Plots**

