The **CBB859/25SK-D3** is a High "Q" Low PIM Cellular AB 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: CBB859/25SK-D3

1.Electrical Characteristics

Item	Value
Uplink 1dB Pass Band Frequency Range [MHz]	824 ~ 849
Downlink 1dB Pass Band Frequency Range	869 ~ 894
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 800 MHz [dBc]	80 (Min.)
Rejection @ 800 to 821 MHz [dBc]	35 (Min.)
Rejection @ 851 to 866 MHz [dBc]	30 (Min.), 35 (Typ.)
Rejection @ 896 to 960 MHz [dBc]	30 (Min.), 35 (Typ.)
Rejection @ 960 to 1990 MHz [dBc]	50 (Min.)
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	600 Watts

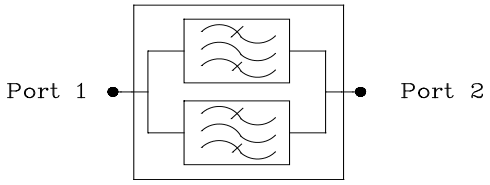
2.Mechanical Characteristics

Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	8.6" x 6.3" x 4.2"
Weight [lb / kg]	7.1 / 3.2
Connectors	N-Type Female (LOW PIM)

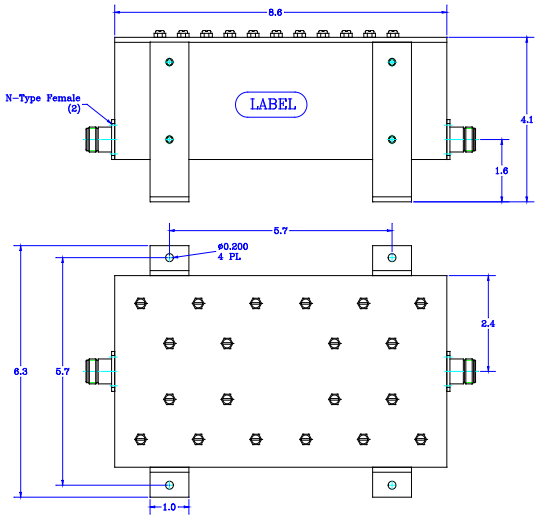
3. Environment Characteristics

Operating Temperature	-10℃ ~ +60℃

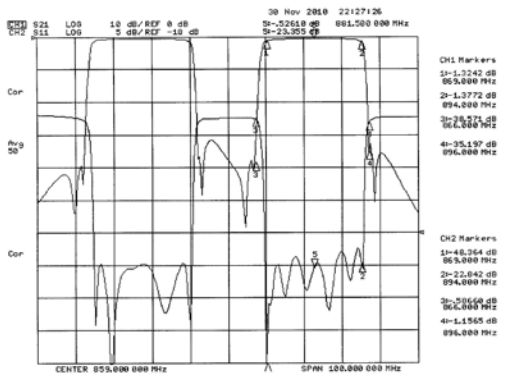
5. Block Diagram

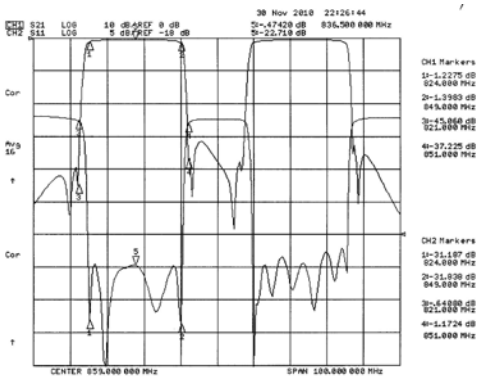


6. Outline Drawing



4. Plots





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