



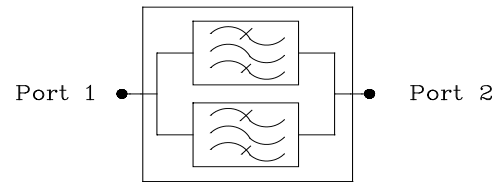
The CBB918/6MK-S1 is a High “Q” Low PIM SMR900/PS9, 2 port device - **Duplexer**. This is the most economic approach to enhance selectivity of a Repeater to avoid interferences from other Wireless Services. Best solution for already existing Repeater solution. Excellent choice for DAS where several Service providers are combined in to one system. Enhanced rejection of Cellular and Paging Bands. Please call for other options.



Model: CBB918/6MK-S1

1. Electrical Characteristics	
Item	Value
Uplink 1dB Pass Band Frequency Range [MHz]	896 ~ 902
Downlink 1dB Pass Band Frequency Range	935 ~ 941
Uplink Pass Band Insertion Loss @ Fo [dB]	< 1.5, 1.3 (Typ.)
Downlink Pass Range Insertion Loss @ Fo [dB]	< 1.0, 0.9 (Typ.)
Pass Band Ripple [dB]	<0.4 P-T-P
Rejection @ DC to 880 MHz [dBc]	80 (Min.)
Rejection @ 880 to 894 MHz [dBc]	30 (Min.), 35 (Typ.)
Rejection @ 903 to 929 MHz [dBc]	40 (Typ.)
Rejection @ 960 to 2500 MHz [dBc]	60 (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	80 Watts
RF power Capability PEAK	900 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	N-Type Female (LOW PIM)

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

4. Plots

