



The CM1920/1932MK-B3 is a High Isolation, Medium Power, Low PIM Combiner/Quad for combining PCS/AWS Services in to ONE cable run. High Isolation, Low Loss, High Isolation between ports, and Low physical profile makes it suitable for Wall-mount, or 19" Rack applications. Best choice for DAS Systems. Excellent solution as part of Modular Expansion products offered by G-Way Microwave Please call for additional options/versions and connector versions available.

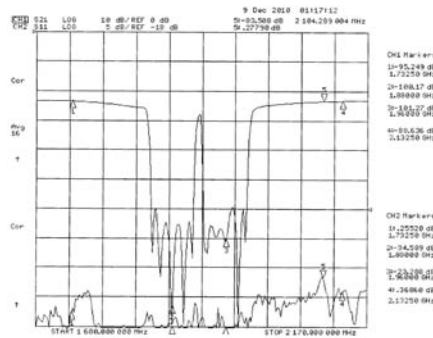
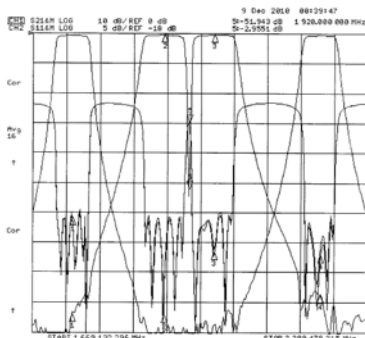
Model: CM1920/1932MK-B3

1. Electrical Characteristics	
Item	Value
PCS UL 1dB Pass Band Frequency Range [MHz]	1850 ~ 1910
PCS UL Pass Band Insertion Loss [dB]	< 0.8, 0.7 (Typ.)
PCS DL 1dB Pass Band Frequency Range [MHz]	1930 ~ 1990
PCS DL Pass Band Insertion Loss [dB]	< 0.8, 0.7 (Typ.)
AWS UL 1dB Pass Band Frequency Range [MHz]	1710 ~ 1880
AWS UL Pass Band Insertion Loss [dB]	< 0.8, 0.7 (Typ.)
AWS DL 1dB Pass Band Frequency Range [MHz]	2110 ~ 2155
AWS DL Pass Band Insertion Loss [dB]	< 0.8, 0.7 (Typ.)
Pass Band Ripple [dB]	<0.4 P-T-P
Isolation between AWS to PCS MHz [dBc]	75 (Min.), 80 (Typ.)
Isolation between PCS Bands MHz [dBc]	50 (Min.), 55 (Typ.)
IM Products, IM3 @ 2 x 33 dBm [dBc]	-143 (Min.)
IM Products, IM3 @ 2 x 43 dBm [dBc]	-133 (Typ.)
VSWR ALL Pass Bands	<1.38:1
Input / Output Impedance	50 Ω
RF power Capability each path CW	80 Watt
RF power Capability each path PEAK	950 Watt

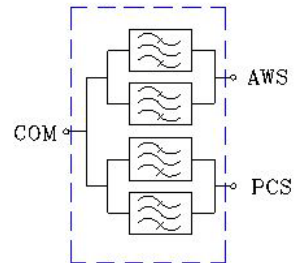
2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, and Excluding Connectors)	6" x 6" x 2.5"
Weight [lb / kg]	3.5 / 1.6
Connectors	N-Type Female (LOW PIM)

3. Environment Characteristics	
Operating Temperature	-30°C ~ +65°C

4. Plots



5. Block Diagram



6. Outline Drawing

