



The CM848/931/1795/2045HK-D8 is a High Isolation, Medium Power, Low PIM Combiner/Quad for combining CELL/GSM900/DCS/UMTS 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. Please call for additional options/versions and connector versions available.



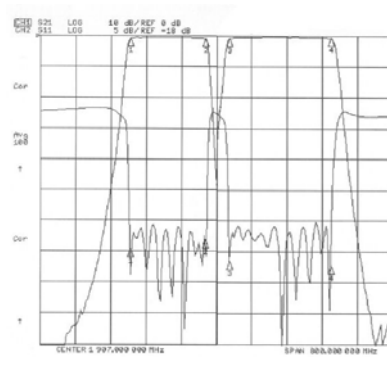
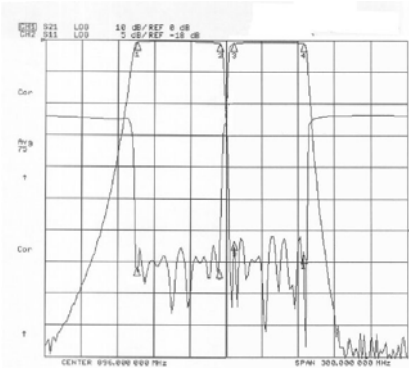
Model: CM848/931/1795/2045HK-D8

1. Electrical Characteristics	
Item	Value
TDMA800 Pass Band Frequency Range [MHz]	806 ~ 890
TDMA800 Pass Band Insertion Loss [dB]	< 1.3, 1.2 (Typ.)
GSM900 Pass Band Frequency Range [MHz]	902 ~ 960
GSM900 Pass Band Insertion Loss [dB]	< 1.3, 1.2 (Typ.)
GSM1800 Pass Band Frequency Range [MHz]	1710 ~ 1880
GSM900 Pass Band Insertion Loss [dB]	< 1.0, 0.8 (Typ.)
UMTS Pass Band Frequency Range [MHz]	1935 ~ 2165
UMTS Pass Band Insertion Loss [dB]	< 1.0, 0.8 (Typ.)
Pass Band Ripple [dB]	<0.4 P-T-P
Isolation between Filters MHz [dBc]	72 (Min.), 75 (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 C	100 Watts

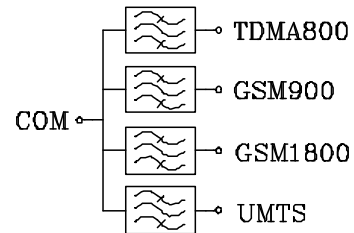
2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, and Excluding Connectors)	18.7" x 4.6" x 3.0"
Weight [lb / kg]	13.2 / 6.0
Connectors	N-Type Female (LOW PIM)

3. Environment Characteristics	
Operating Temperature	-20°C ~ +65°C

4. Plots



5. Block Diagram



6. Outline Drawing

