



The CD859/1920HK-D4 is a High Isolation, High Power and Low PIM Diplexer/Combiner. Unit is mainly used to combiner high power CELLAB systems with high power PCS systems into one cable run. High Isolation and Low Insertion Loss makes the unit specially fit for Base Station applications. Other connector types are available Please call for Lower Isolation Economic options.

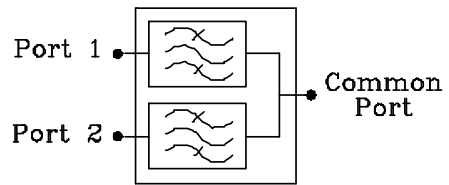


Model: CD859/1920HK-D4

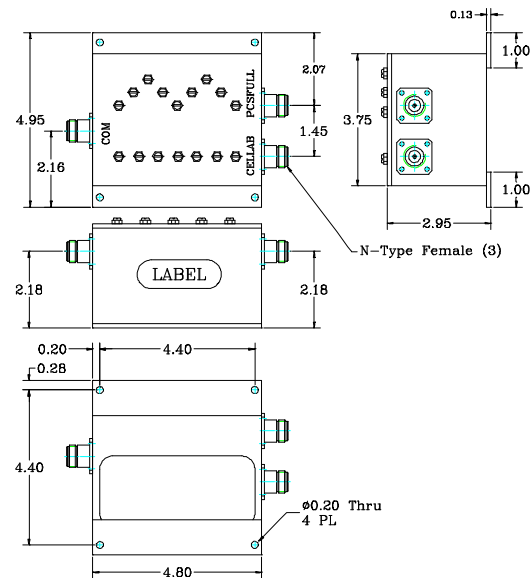
1. Electrical Characteristics

Item	Value
CELLAB Pass Band Frequency Range [MHz]	824 ~ 894
PCS Pass Band Frequency Range [MHz]	1850 ~ 1990
Pass Band Insertion Loss [dB]	< 0.3, 0.2 (Typ.)
Pass Band Ripple [dB]	< 0.2 P-T-P
Isolation between Filters [dBc]	65 (Min.), 70 (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 each port CW	150 Watts
PEAK	1500 Watts

5. Block Diagram



6. Outline Drawing



2. Mechanical Characteristics

Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	4.8" x 5.0" x 3.2"
Weight [lb / kg]	3.0 / 1.3
Connectors	N-Type Female (LOW PIM)

3. Environment Characteristics

Operating Temperature	-30°C ~ +75°C
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4. Plots

