



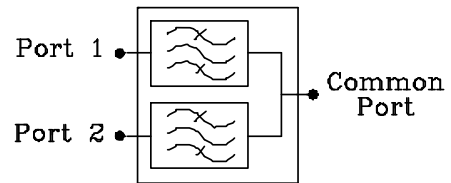
The CD859/1920SK-D4 is a High Isolation, Medium Power and Diplexer/Combiner. Unit is mainly used to combine CELLAB systems with PCS systems into one cable run. High Isolation and Low Insertion Loss makes the unit specially fit for Integration applications. Other connector types are available Please call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



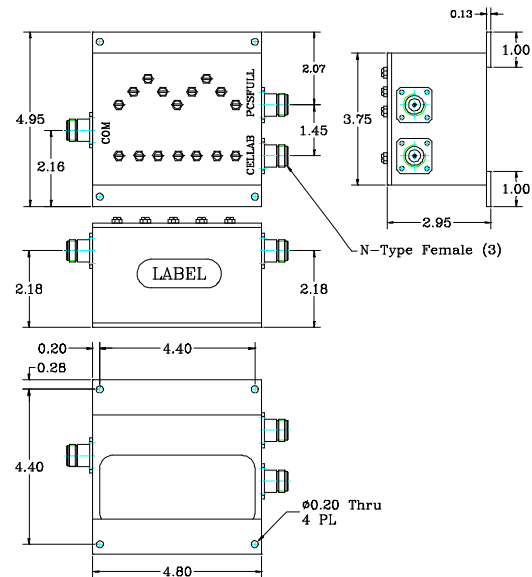
**Model: CD859/1920SK-D4**

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]	-133 (Typ.)
VSWR Both Pass Bands	< 1.28:1
Input/Output	DC Potential
Input / Output Impedance	50 Ω
RF power Capability each port CW	60 Watts
PEAK	600 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

3. Environment Characteristics	
Operating Temperature	-30°C ~ +75°C

**4. Plots**

