



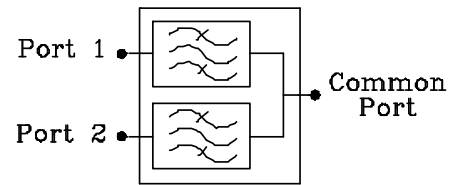
The CD881/60SK-M3 is a **Diplexer/Combiner**. This is the most economic approach to combine ESMR800 and SMR900 systems in to one common cable run, while providing High Isolation between filters with very Low Insertion Loss. This is MOST economical solution we could offer without compromising system performance. Please call for additional higher level options/versions available.



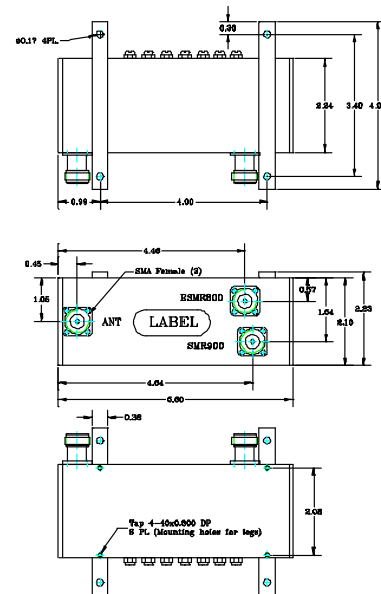
Model: CD881/60SK-M3

1. Electrical Characteristics	
Item	Value
ESMR800 Pass Band Frequency Range [MHz]	806 ~ 866
SMR900 Pass Band Frequency Range [MHz]	896 ~ 941
Pass Band Insertion Loss @ Fo [dB] Band	< 0.6, 0.4 (Typ.)
Pass Band Ripple [dB]	< 0.4 P-T-P
ESMR800 @ 896 to 941 MHz [dBc]	45 (Min.), 50 (Typ.)
SMR900 @ 806 to 866 MHz [dBc]	45 (Min.)
Isolation between Filters MHz [dBc]	40 (Min.), 45 (Typ.)
VSWR Both Pass Bands	< 1.28:1
Input/Output	DC Potential
Input / Output Impedance	50 Ω
Downlink RF power Capability CW	20 Watts
Downlink RF power Capability PEAK	250 Watts

5. Block Diagram



6. Outline Drawing



2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Excluding Mounting Hardware, exc. Connectors)	5.6" x 2.3" x 2.2"
Weight [lb / kg]	1.4 / 0.6
Connectors	N-Type Female

3. Environment Characteristics	
Operating Temperature	-20°C ~ +75°C

4. Plots

