



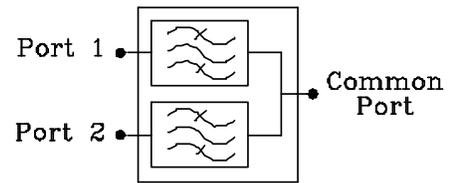
The CD882/60MK-E2 is a High Isolation, High Power and Low PIM ESMR 800/900 Diplexer/Combiner. This is the most economic approach to combine ESMR800 and SMR900 Repeater Systems in to one common port while providing VERY High Isolation between Repeaters with very Low Insertion Loss. Best choice for DAS or Base Station level applications on Power End. Please call for additional options/versions available.



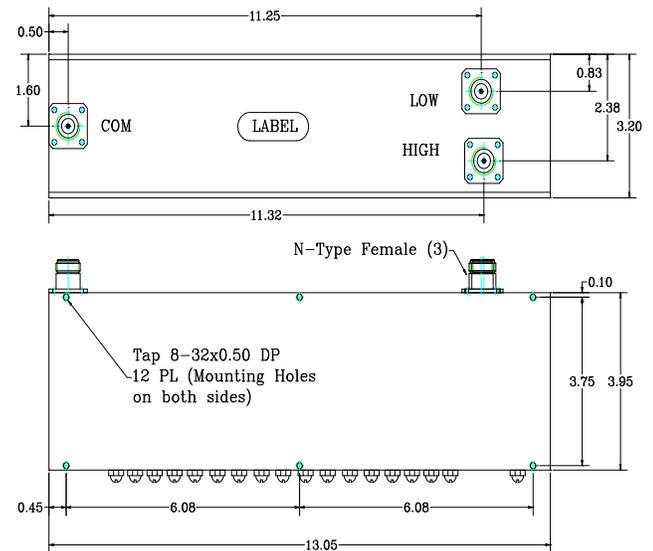
Model: CD882/60MK-E2

1. Electrical Characteristics	
Item	Value
ESMR800 Pass Band Frequency Range [MHz]	806 ~ 869
SMR900 Pass Band Frequency Range [MHz]	896 ~ 945
ESMR800 Pass Band Insertion Loss [dB]	< 0.5, 0.4 (Typ.)
SMR900 Pass Range Insertion Loss [dB]	< 0.5, 0.4 (Typ.)
Pass Band Ripple [dB]	< 0.4 P-T-P
ESMR800 Rejection @ DC to 732 MHz [dBc]	80 (Min.), 85 (Typ.)
ESMR800 Rejection @ 896 to 935 MHz [dBc]	95 (Min.), 105 (Typ.)
SMR00 Rejection @ DC to 806 MHz [dBc]	80 (Min.), 90 (Typ.)
SMR00 Rejection @ 806 to 869 MHz [dBc]	80 (Min.), 85 (Typ.)
Isolation between Filters MHz [dBc]	80 (Min.), 85 (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 path CW	100 Watts
RF power Capability each path PEAK	1200 Watts

5. Block Diagram



6. Outline Drawing



2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Excluding Mounting Hardware, and Connectors)	11.4" x 4.0" x 3.2"
Weight [lb / kg]	8.8 / 4.0
Connectors	N-Type Female (LOW PIM)

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

4. Plots

