



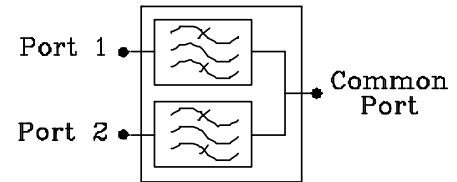
The CD900/AWS/SK-B3 is a High Isolation, Medium Power and Low PIM Diplexer/Combiner. This is the most economic and professional approach to combining signals from DC to Cellular bands with AWS bands. Unit provides VERY High Isolation, practically eliminating interference between combined bands. Simple, small, economic and yet professional design allows for Modular Expansion of coverage solutions. Please call for other Unique Combining and Economic options available.



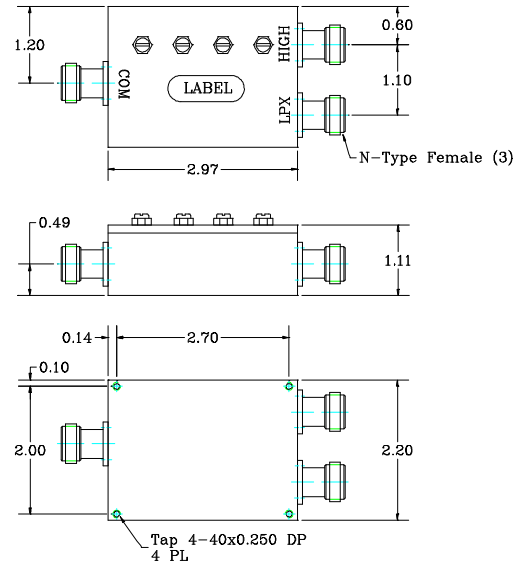
Model: CD900/AWS/SK-B3

1. Electrical Characteristics	
Item	Value
LOW Pass Band Frequency Range [MHz]	DC ~ 900
HIGH Pass Band Frequency Range [MHz]	1710~ 2170
LOW Pass Band Insertion Loss [dB]	< 0.2, 0.1 (Typ.)
HIGH Pass Band Insertion Loss [dB]	< 0.5, 0.4 (Typ.)
Pass Band Ripple [dB]	<0.2 P-T-P
LOW Band Rejection @ 1710 to 2170 MHz [dBc]	50 (Min.), 55 (Typ.)
HIGH Band Rejection @ DC to 900 MHz [dBc]	55 (Min.), 60 (Typ.)
Isolation between Filters [dBc]	50 (Min.), 55 (Typ.)
IM Products, IM3 @ 2 x 33 dBm [dBc]	-143 (Min.)
VSWR Both Pass Bands	<1.38:1
Input/Output	DC Potential
Input / Output Impedance	50 Ω
RF power Capability CW	20 Watts
RF power Capability PEAK	200 Watts

5. Block Diagram



6. Outline Drawing



2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	2.3" x 2.2" x 1.1" 3.0" x 2.2" x 1.3"
Weight [lb / kg]	0.6 / 0.3
Connectors	N-Type Female

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

4. Plots

