



The CD1932.5/45MK-M4 is a High Isolation, High Power and Low PIM AWS Diplexer. This is the most economic approach to enhance selectivity of a Coverage System to avoid interferences from other Wireless while providing VERY High Isolation. Please call for Lower Isolation Economic options.



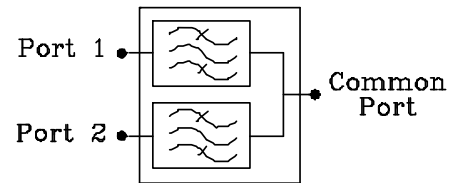
Model: CD1932.5/45MK-M4

1. Electrical Characteristics	
Item	Value
Uplink Pass Band Frequency Range [MHz]	1710 ~ 1755
Downlink Pass Band Frequency Range [MHz]	2110 ~ 2155
Uplink Pass Band Insertion Loss [dB]	< 0.6, 0.4 (Typ.)
Downlink Pass Range Insertion Loss [dB]	< 0.6, 0.4 (Typ.)
Pass Band Ripple [dB]	<0.4 P-T-P
Uplink Rejection @ DC to 1630 MHz [dBc]	70 (Min.)
Uplink Rejection @ 2100 to 2155 MHz [dBc]	90 (Min.)
Downlink Rejection @ DC to 1630 MHz [dBc]	90 (Min.)
Downlink Rejection @ 1710 to 1755 MHz [dBc]	90 (Min.)
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
Downlink RF power Capability CW	80 Watts
Downlink RF power Capability PEAK	900 Watts

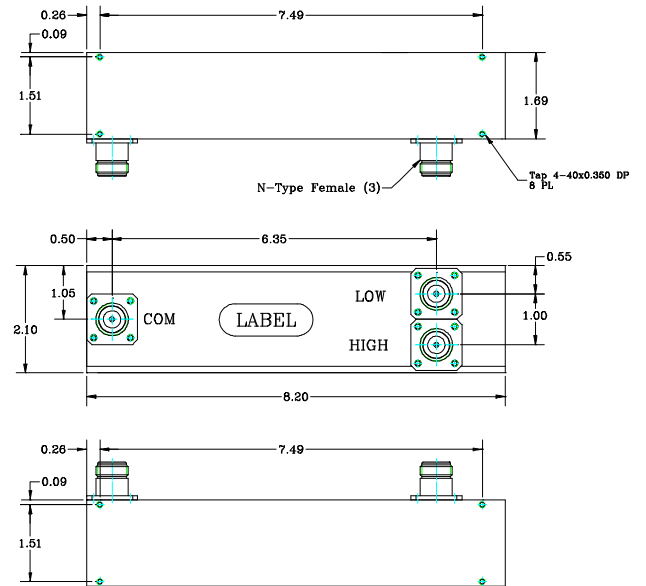
2. Mechanical Characteristics	
Final Finish (OPTIONAL)	Epoxy Gray
Dimensions (Including Mounting Hardware, exc. Connectors)	8.2" x 2.1" x 1.7"
Weight [lb / kg]	1.6 / 0.72
Connectors	N-Type Female (LOW PIM)

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

5. Block Diagram



6. Outline Drawing



4. Plots

