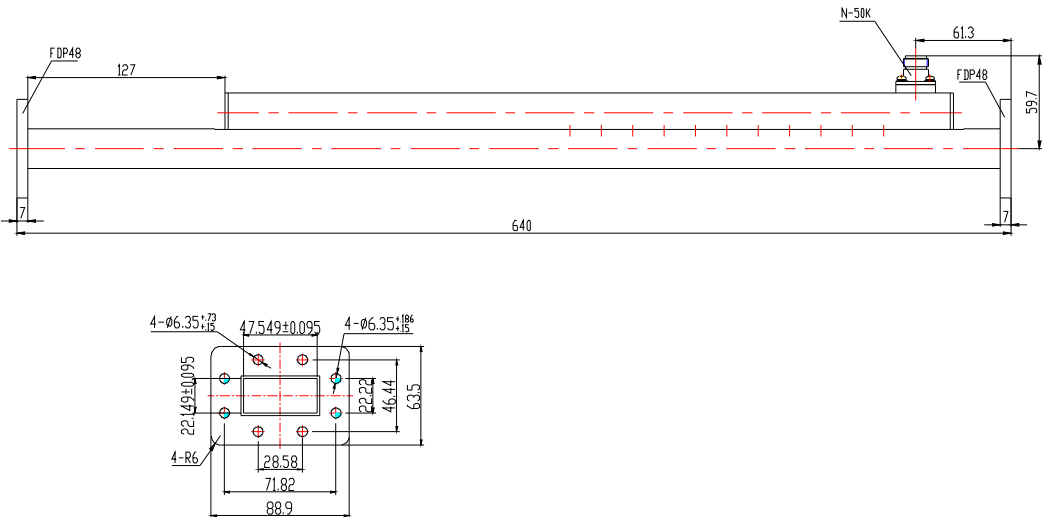


Broadwall Directional Coupler

Part No: VT48WC20NKPPA

1.0	Mechanical Specifications	
1.1	Waveguide Type	WR187
1.2	Flange Type	FDP48 (Cover)
1.3	Connector Type	N Female
1.4	Material	Aluminum
1.5	Inside Finish	Chromate conversion
1.6	Outside Finish	Anticorrosion black paint
2.0	Electrical Specifications	
2.1	Frequency Range	3.94-5.99 GHz
2.2	VSWR (Max)	1.10 (Main line), 1.25 (Secondary line)
2.3	Coupling	20 ± 0.7 dB
2.4	Directivity (Min)	35 dB
3.0	Outline Drawings	
 <p>The drawing includes a side view and a front view of the Broadwall Directional Coupler. The side view shows a long, narrow component with a total length of 640 units. It features two FDP48 flanges at the ends, with a distance of 127 units between the start of the first flange and the beginning of the main body. The main body has a diameter of 63.5 units. An N-50K connector is located on the top surface, with a distance of 61.3 units from the right end of the main body to the center of the connector. The front view shows a rectangular component with a width of 88.9 units and a height of 63.5 units. It has four mounting holes, each with a diameter of 6.35 units. The center-to-center distance between the two top holes is 47.549 ± 0.095 units, and the center-to-center distance between the two bottom holes is 28.58 units. The distance from the center of the top holes to the center of the bottom holes is 71.82 units. The distance from the center of the top holes to the left edge is 22.149 ± 0.095 units, and the distance from the center of the bottom holes to the left edge is 22.22 units. The distance from the center of the top holes to the right edge is 46.44 units. The drawing also shows a 4-R6 chamfer on the left edge.</p>		



Revision History

Date	Revision	Changes
25-Mar-2009	1	First release

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