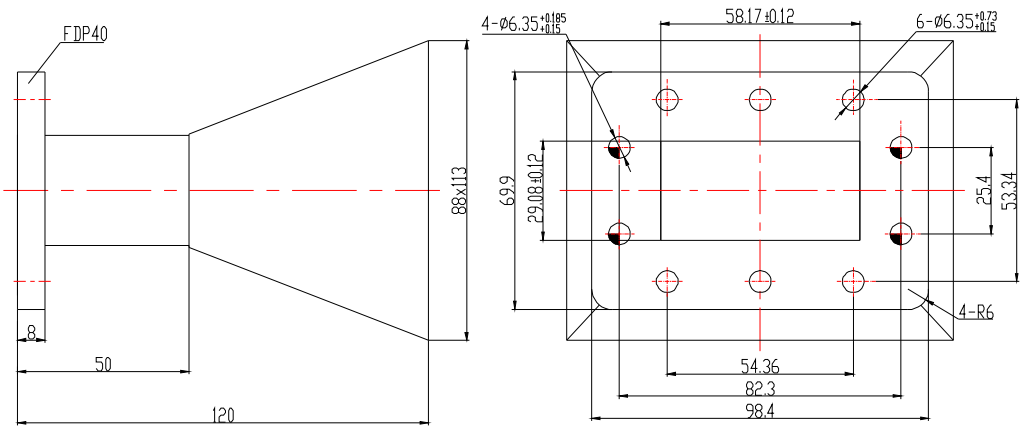


Standard Gain Horn Antenna

Part No: VT40SGAH10

1.0 Mechanical Specifications	
1.1	Waveguide type WR229
1.2	Flange type FDP40 (Cover)
1.3	Material Aluminum
1.4	Inside finish Chromate conversion
1.5	Outside finish Anticorrosion grey paint
2.0 Electrical Specifications	
2.1	Frequency Range 3.22-4.9 GHz
2.2	VSWR (Max) 1.25
2.3	Gain (Avg) 10 dB
3.0 Outline Drawings	
 <p>The drawing consists of two views: a side view on the left and a top view on the right. The side view shows a horn antenna with a total length of 120 units, a narrow end width of 50 units, and a wide end width of 88 units. A flange labeled 'FDP40' is attached to the narrow end. The top view shows a rectangular horn with a total width of 98.4 units and a total height of 69.9 units. It features a 2x3 grid of mounting holes. Dimensions for the top view include: a central width of 58.17 units, a distance of 29.08 units from the left edge to the first hole, a distance of 54.36 units between the first and last holes, and a distance of 82.3 units from the left edge to the last hole. The distance from the top edge to the first hole is 25.4 units, and the distance from the top edge to the last hole is 53.34 units. The drawing also specifies hole diameters: 4-$\phi 6.35^{+0.015}_{-0.015}$ and 6-$\phi 6.35^{+0.023}_{-0.015}$, and a fillet radius of 4-R6.</p>	



Revision History

Date	Revision	Changes
05-Mar-2006	1	First release

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