



## Straight Waveguide



Part No: HD-740WAL50PPC

<b>1.0</b>	<b>Mechanical Specifications</b>	
1.1	Waveguide type	WR12
1.2	Flange type	FUGP740 (UG387)
1.3	Material	Copper/Brass
1.4	Finish	Gold plating
1.5	Length	L=50 mm
<b>2.0</b>	<b>Electrical Specifications</b>	
2.1	Frequency range	60.5-91.9 GHz
2.2	VSWR (Max)	1.10
<b>3.0</b>	<b>Outline Drawing</b>	
<p>The drawing includes a side view on the left and an end view on the right. The side view shows a central shaft of length L, with a diameter of <math>\phi 9.525</math>. The flanges have a total width of 6.35 mm, with a central section of 3.3 mm. The distance from the end of the shaft to the center of the flange is 0.762 mm. The end view shows a circular flange with an outer diameter of <math>\phi 14.3</math> and an inner diameter of <math>\phi 9.525</math>. It features two location pins with diameters of <math>2-\phi 1.56_{-0.0127}^0</math> and four mounting holes with diameters of <math>4-40\text{UNC}-2\text{B}</math> and a countersink of <math>\phi 3.556 \times 0.762</math>. The distance between the location pins is <math>1.5494 \pm 0.0127</math> mm. The distance between the mounting holes is <math>3.0988 \pm 0.0127</math> mm. The chamfer on the mounting holes is <math>0.38 \times 45^\circ</math>. The chamfer on the location pins is <math>2-\phi 1.7_{-0}^{+0.03}</math>.</p>		



**Revision History**

Date	Revision	Changes
25-June-2009	1	First release

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