

## WR10 Waveguide Termination

Part No: VT900WL1.15PC



<b>1.0 Mechanical Specifications</b>		
1.1	Waveguide Type	WR10
1.2	Flange Type	FUGP900
1.3	Material	Copper
1.4	Finish	Gold plating
1.5	Temperature range	-40°C ~ +70°C
<b>2.0 Electrical Specifications</b>		
2.1	Frequency Range	73.8-112 GHz
2.2	VSWR (Max)	1.15
2.3	Power Handling	1 W (CW)
<b>3.0 Outline Drawing</b>		
<p>The drawing includes the following dimensions and features:</p> <ul style="list-style-type: none"> <li><b>Side View Dimensions:</b> <ul style="list-style-type: none"> <li>Overall length: 30</li> <li>Flange thickness: 6.4</li> <li>Flange offset from end: 3.3</li> <li>Waveguide diameter: <math>\phi 9.525 \pm 0.12</math></li> <li>Waveguide length: 4</li> <li>Waveguide offset from flange: 0.762 <math>\pm</math> 0.03</li> </ul> </li> <li><b>Top View Dimensions and Features:</b> <ul style="list-style-type: none"> <li>Outer diameter: <math>\phi 14.3</math></li> <li>Inner diameter: <math>\phi 9.525 \pm 0.12</math></li> <li>Two central holes: <math>2 - \phi 1.51 \pm 0.012</math></li> <li>Four outer holes: <math>4 - \phi 3.556 \times 0.762</math> (Countersink)</li> <li>Four outer holes: <math>4 - 40\text{UNC} - 2\text{B}</math> (Tapped)</li> <li>Two small holes: <math>2 - \phi 1.7^{+0.03}_0</math></li> <li>Chamfers: <math>0.38 \times 45^\circ</math> (Chamfer)</li> <li>Chamfer angle: <math>45^\circ</math></li> <li>Offset from center to hole center: <math>2.54 \pm 0.0127</math></li> <li>Offset from center to hole center: <math>1.27 \pm 0.0127</math></li> </ul> </li> </ul>		



## Revision History

Date	Revision	Changes
29-Dec-2007	1	First release

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