



Waveguide Transition

Part No: HD-320400WA50PPC

1.0 Mechanical Specifications	
1.1	Waveguide type WR28 to WR22
1.2	Flange type FBP320/FUGP400
1.3	Material Copper/Brass
1.4	Finish Gold plating
1.5	Length L=50 mm
2.0 Electrical Specifications	
2.1	Frequency range 32.9-40 GHz
2.2	VSWR (Max) 1.10
3.0 Outline Drawing	
<p>Technical drawing showing three views of the waveguide transition:</p> <ul style="list-style-type: none"> Front View: Circular flange with diameter $\phi 23.8$. Features include 4-40UNC-2B mounting holes, 2-$\phi 1.56$ Location Pins, a central hole with diameter $\phi 3.556 \times 0.762$ (Countersink), and chamfers of $0.38 \times 45^\circ$. Dimensions include 5.69 ± 0.02, 2.845 ± 0.02, and $2 \times 45^\circ$ chamfers. Side View: Shows the length of the waveguide section as 50 mm. The diameter is $\phi 28.6$. Features include a 3.3 mm wide section, $2 \times 0.4 \times 30^\circ$ chamfers, a $0.4 \times 45^\circ$ chamfer, a $\phi 11.9$ hole, a 0.762 ± 0.03 hole, and a 6.35 mm wide section. Back View: Shows the diameter of the back flange as 19.1 mm. Features include 4-$\phi 3$ mounting holes, a diameter of 7.112 ± 0.02, a diameter of 3.556 ± 0.02, a diameter of 12.7, and a diameter of 13.46. It also shows 4-R2 chamfers. 	



Revision History

Date	Revision	Changes
25-April-2005	1	First release

Information furnished is believed to be accurate and reliable. However, HengDa Microwave assumes no responsibility for the consequences of use of such information nor for any infringement of patents or other rights of third parties which may result from its use. No license is granted by implication or otherwise under any patent or patent rights of HengDa Microwave. Specifications mentioned in this publication are subject to change without notice. This publication supersedes and replaces all information previously supplied. HengDa Microwave products are not authorized for use as critical components in life support devices or systems without express written approval of HengDa Microwave.

© 2002 Xi'an HengDa Microwave Technology Development Company - All rights reserved

Email: market@hdmicrowave.com

www.hdmicrowave.com