



**Crossguide Directional Coupler**

Part No: HD-84W+C20PPPPC  
 HD-84W+C30PPPPC  
 HD-84W+C40PPPPC

<b>1.0 Mechanical Specifications</b>				
1.1	Waveguide Type	WR112		
1.2	Flange Type	FBP84 (Cover)		
1.3	Material	Copper/Brass		
1.4	Inside Finish	Silver plating		
1.5	Outside Finish	Anticorrosion black paint		
1.6	Temperature Range	-40°C ~ +70° C		
<b>2.0 Electrical Specifications</b>				
Part No		HD-84W+C20PPPPC	HD-84W+C30PPPPC	HD-84W+C40PPPPC
2.1	Frequency range	6.57-9.99GHz		
2.2	Operating Bandwidth (%)	20% of waveguide bandwidth		
2.3	VSWR (Max)	1.1:1 (Main line); 1.15:1 (Secondary line)		
2.4	Coupling	20 ± 0.7dB	30 ± 1.0 dB	40 ± 1.5 dB
2.5	Frequency Sensitivity (Max)	± 1.0 dB	± 1.0 dB	± 1.0dB
2.6	Directivity (Min)	20 dB	20 dB	18 dB
<b>3.0 Outline Drawings</b>				



**Revision History**

<b>Date</b>	<b>Revision</b>	<b>Changes</b>
20-Oct-2004	1	First release

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Email: [market@hdmicrowave.com](mailto:market@hdmicrowave.com)

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