



Crossguide Directional Coupler

Part No: HD-70W+C20PPPPC

HD-70W+C30PPPPC

HD-70W+C40PPPPC

1.0 Mechanical Specifications				
1.1	Waveguide Type	WR137		
1.2	Flange Type	FDP70		
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		
2.0 Electrical Specifications				
Part No		HD-70W+C20PPPPC	HD-70W+C30PPPPC	HD-70W+C40PPPPC
2.1	Frequency range	5.38-8.17GHz		
2.2	Operating Bandwidth (%)	20% of waveguide bandwidth		
2.3	VSWR (Max)	1.10 (Main line) 1.15 (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
3.0 Outline Drawings				



Revision History

Date	Revision	Changes
20-Nov-2005	1	First release

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