

Waveguide Block Type Directional Coupler

Dolph Microwave manufactures a standard product line of multi-hole block type directional coupler covering a wide frequency range. The optimum electrical characteristics of high directivity and coupling flatness are achieved utilizing a precision machined Tchebyscheff coupling hole distribution and a precision ground tapered load element in the secondary arm. Directional couplers are typically used for power sampling, frequency monitoring, especially in the test setups where power reflection measurements are required. Additional sizes and special configurations are available on request.



- **Technical Specification**

WR10 Waveguide Block Type Directional Coupler	
Electrical Specifications	
Model	DH-900WBDC20PPPC
Frequency Range	75.0-110.0 GHz
Coupling (dB)	20 ± 1.5 dB
Main Line VSWR	≤ 1.2:1
Sec. Line VSWR	≤ 1.3:1
Directivity (dB)	≥ 40 dB
Port Style	3 Waveguide Ports
Coupling Port	2*UG-387/U
Flange	UG-387/U
Material	Cu
Surface Treatment	Gold Plated
Surface Coating	Black Paint

