

This model was previously released as ADC-xx-WBH-XP-DF-CC.

## DC-xxHX-DF-CC

Directional Coupler | 698-4000 MHz | 7/16-DIN Female



Ordering Options		6 dB Coupler	10 dB Coupler	15 dB Coupler	20 dB Coupler
Model Number (xx)		DC-06HX-DF-CC	DC-10HX-DF-CC	DC-15HX-DF-CC	DC-20HX-DF-CC
Electrical Characteristics					
Frequency Range		698-4000 MHz	698-4000 MHz	698-4000 MHz	698-4000 MHz
Coupling		6 dB	10 dB	15 dB	20 dB
Coupling Tolerance		±1.0 dB	±1.0 dB	±1.2 dB	±1.2 dB
Insertion Loss		≤ 1.7 dB	≤ 0.7 dB	≤ 0.4 dB	≤ 0.2 dB
Through Loss		≤ 1.25 dB	≤ 0.5 dB	≤ 0.15 dB	≤ 0.1 dB
Isolation		≥ 26 dB	≥ 30 dB	≥ 35 dB	≥ 40 dB
VSWR		≤ 1.22	≤ 1.22	≤ 1.22	≤ 1.22
Average Power (max)		200 W	200 W	200 W	200 W
Peak Power (max)		2 kW	2 kW	2 kW	2 kW
PIM3 (2x43 dBm)		≤ -160 dBc	≤ -160 dBc	≤ -160 dBc	≤ -160 dBc
Impedance		50Ω	50Ω	50Ω	50Ω
Mechanical Characteristics					
Plating	Inner Contact	Silver	Silver	Silver	Silver
	Outer Trimetal	Trimetal	Trimetal	Trimetal	Trimetal
Connector		7/16-DIN Female	7/16-DIN Female	7/16-DIN Female	7/16-DIN Female
Environmental Characteristics					
Operating Temperature		-30° C to +75° C	-30° C to +75° C	-30° C to +75° C	-30° C to +75° C
Relative Humidity		Up to 95%	Up to 95%	Up to 95%	Up to 95%
RoHs Compliant		yes	yes	yes	yes
Application		Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
Ingress Protection		IP65	IP65	IP65	IP65

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.