Datasheet

AC-6000 Series

Wideband (600 - 6000 MHz) Directional Coupler

- 6-, 10-, 15- & 20 dB Coupling
- Broadband coverage: 600 6000 MHz
- Covers Cellular and WiFi bands
 - 5G NR, LTE, UMTS, GSM
 - o WiFi 4, 5, 6, 6E
- Power handling up to 200 Watts
- For indoor and outdoor use
- Ideal for distributed antenna systems (DAS)



ELECTRICAL SPECIFICATIONS

Туре	Directional Coupler		
Frequency	600 - 6000 MHz		
Coupling	AC-6000-06: 6±1.4 dB AC-6000-10: 10±1.5 dB AC-6000-15: 15±1.6 dB AC-6000-20: 20±1.7 dB		
Insertion loss	AC-6000-06: < 1.9 dB AC-6000-10: < 1.1 dB AC-6000-15: < 0.6 dB AC-6000-20: < 0.4 dB		
Isolation	See table		
VSWR	≤1.35:1		
Impedance	50 Ohm		
Max. Input Power 200 Watt (per port)			

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MECHANICAL SPECIFICATIONS

Color	Black			
Dimensions	See 'Outline Drawing'			
Weight	280 g			
Temperature	-30 to +65 °C			
Connector	Type N-female			
Material	Aluminium, brass, PE, PTFE and chrome			
Ingress Protection	IP65			
Serial no.	On product label			

ORDERING INFORMATION

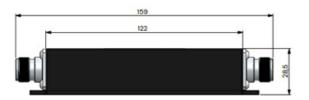
AC-6000-06	6 dB Coupling
AC-6000-10	10 dB Coupling
AC-6000-15	15 dB Coupling
AC-6000-20	20 dB Coupling

PACKAGING INFORMATION

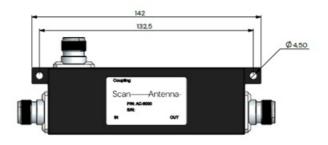
Type	Carton Box
Size	200 x 80 x 40 mm

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F [MHz]	Min. Isolation [dB]				
	AC-6000-06	AC-6000-10	AC-6000-15	AC-6000-20	
600-2700	25	29	33	37	
2700-3800	23	27	32	35	
3800-4800	21	25	30	33	
4800-6000	18	22	27	30	