

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
 - WiFi 4, 5, 6, 6E
- Power handling up to 200 Watts
- For indoor and outdoor use
- Ideal for distributed antenna systems (DAS)



ELECTRICAL SPECIFICATIONS

Type	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)

Datasheet

2 / 3

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

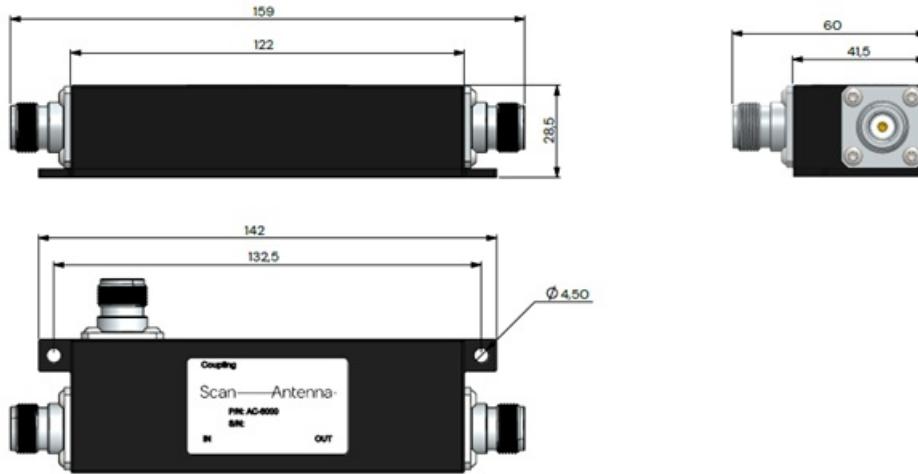
AC-6000-06	6 dB Coupling
AC-6000-10	10 dB Coupling
AC-6000-15	15 dB Coupling
AC-6000-20	20 dB Coupling

PACKAGING INFORMATION

Type	Carton Box
Size	200 x 80 x 40 mm

Datasheet

3 / 3



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