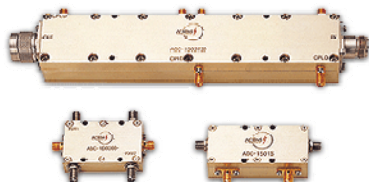


DIRECTIONAL COUPLERS (Model # : ADC SERIES)

▢ Description



- LOW INSERTION LOSS AND LOW VSWR
- HIGH DIRECTIVITY
- HIGH POWER
- LOW FREQUENCY SENSITIVITY

The units are well suited for high power application of base station including power, frequency monitoring, signal incident and reflection measurement. The Input / Output connectors are available with SMA, Type-N.

▢ Specifications(Single)

Model No.	ADC-800S10	ADC-1800L20	ADC-1800S10	ADC-2000S20	ADC-2000S30
Frequency Range	824 ~ 894 MHz	1750 ~ 2000 MHz	1750 ~ 1870 MHz	1700 ~ 2200 MHz	1700 ~ 2200 MHz
Insertion Loss	0.7 dB max.	0.5 dB max.	0.7 dB max.	0.4 dB max.	0.4 dB max.
VSWR	1.20:1max.	1.20:1max.	1.20:1max.	1.15:1max.	1.15:1max.
Directivity	25 dB min.	-	-	20 dB min.	20 dB min.
Coupling Value	10±1.5 dB	20±1 dB	10± 1.5 dB	20± 1 dB	30± 1 dB
Average Power	0.75 W	1 W	0.75 W	200 W	200 W
Connector Type[I/O]	SMA(F)/SMA(F)	SMA(F)/SMA(F)	SMA(F)/SMA(F)	Type-N(M)/ Type-N(F)	Type-N(M)/ Type-N(F)
Coupling Port Connector	SMA(F)	SMA(F)	SMA(F)	SMA(F)	SMA(F)
Dimension(WxLxH) [mm(inch)]	34.5x27x12 (1.4x1.1x0.5)	29.5x24.5x10 (1.2x1.0x0.4)	44x21x12 (1.7x0.8x0.5)	58.5x34x26.5 (2.3x1.3x1.0)	58.5x34x26.5 (2.3x1.3x1.0)

* The specification can be modified upon buyer's requests.

* All specifications are subject to change without notice.

* The latest specifications are available at www.actipass.com

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 Specifications(Dual,Tri)

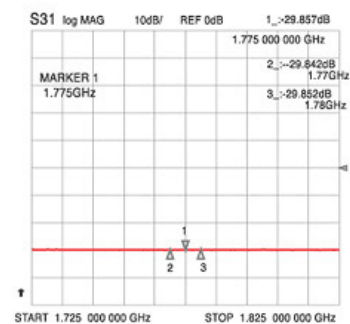
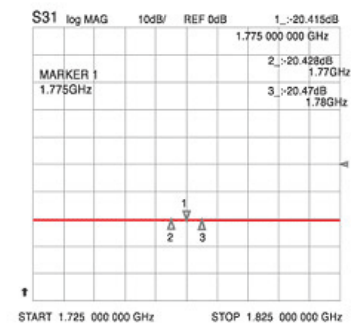
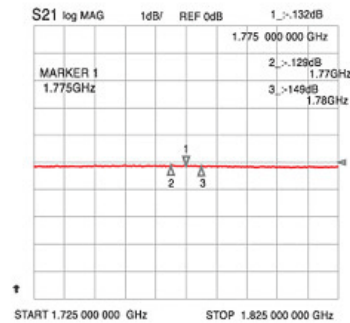
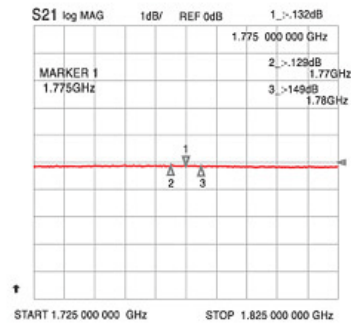
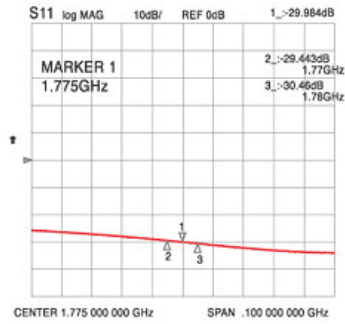
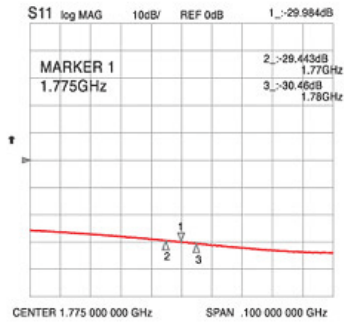
Model No.	ADC-1500D	ADC-1503D30	ADC-1800D10	ADC-1800D30	ADC-1503T30
Frequency Range	750 ~ 950 MHz	800 ~ 900 MHz	1700 ~ 1800 MHz	1700 ~ 1800 MHz	800 ~ 900 MHz
Insertion Loss	0.1 dB max.	0.2 dB max.	1.2m dB ax	0.15 dB max.	0.2 dB max.
VSWR	1.15:1max.	1.1:1max.	1.15:1max.	1.15:1max.	1.1:1max.
Directivity	25 dB (C1,C2)min.	30 dB (C1,C2)min.	2 dB 5(C1,C2)min.	2 dB 5(C1,C2)min.	3 dB 0(C1,C2)min.
Coupling Value	30± 1 dB (C1,C2)	30± 1 dB (C1,C2)	10± dB 1(C1,C2)	30± dB 1(C1,C2)	30± dB 1(C1,C2)
Freq. Sensitivity	± 0.2 dB	± 0.2 dB	± 0.2 dB	± 0.2 dB	± 0.2 dB
Average Power	500 W max.	500 W max.	200 W max.	200 W max.	500 W max.
Peak Power	10 kW	10 kW	2 kW	2 kW	10 kW
Connector Type[I/O]	Type-N(M)/ Type-N(F)	Type-N(M)/ Type-N(F)	Type-N(M)/ Type-N(F)	Type-N(M)/ Type-N(F)	Type-N(M)/ Type-N(F)
Coupling Port Connector	SMA(F)	SMA(F)	SMA(F)	SMA(F)	SMA(F)
Dimension(WxLxH) [mm(inch)]	76x40x25.5 (3.0x1.6x1.0)	76x40x26 (3.0x1.6x1.0)	52.5x24x13 (2.1x1.0x0.5)	52.5x32x14 (2.1x1.3x0.6)	200x39x26 (7.9x1.5x1.0)

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 Plotting Chart



[20dB Coupler]

[30dB Coupler]