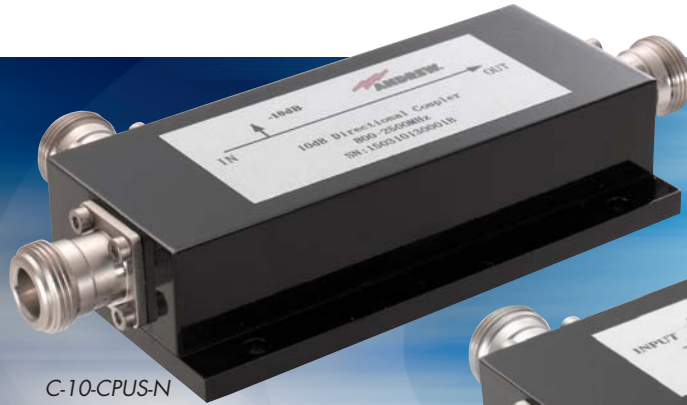




NEW PRODUCT  
ANNOUNCEMENT



C-10-CPUS-N



C-30-CPUS-N

## Directional Coupler/ Unequal Splitters

800 – 2500 MHz – N Connectors

Couples a fraction of the signal with minimal reflections or loss.

These Directional Couplers support indoor applications in the 900 MHz cellular/GSM, the PCS/DCS-1800 band, and the 3G band to 2500 MHz.

Each unit couples a defined fraction of a high power cellular signal with minimal reflections or loss. The wide frequency range allows use with multiband antennas, radiating cable systems, and in wireless base stations.

The dissipative loss is minimized and reliability enhanced. Each Directional Coupler is supplied with mounting hardware for simple attachment to a wall or pole.

### Multiple Coupling Values Available

- C-6-CPUS-N: 6 dB
- C-8-CPUS-N: 8 dB
- C-10-CPUS-N: 10 dB
- C-13-CPUS-N: 13 dB
- C-15-CPUS-N: 15 dB
- C-20-CPUS-N: 20 dB
- C-30-CPUS-N: 30 dB

### Features

- Multiband frequency coverage
- Minimal RF insertion loss
- Rugged, high reliability
- Low passive intermodulation (PIM)
- 200 W average main line power

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**SPECIFICATIONS**

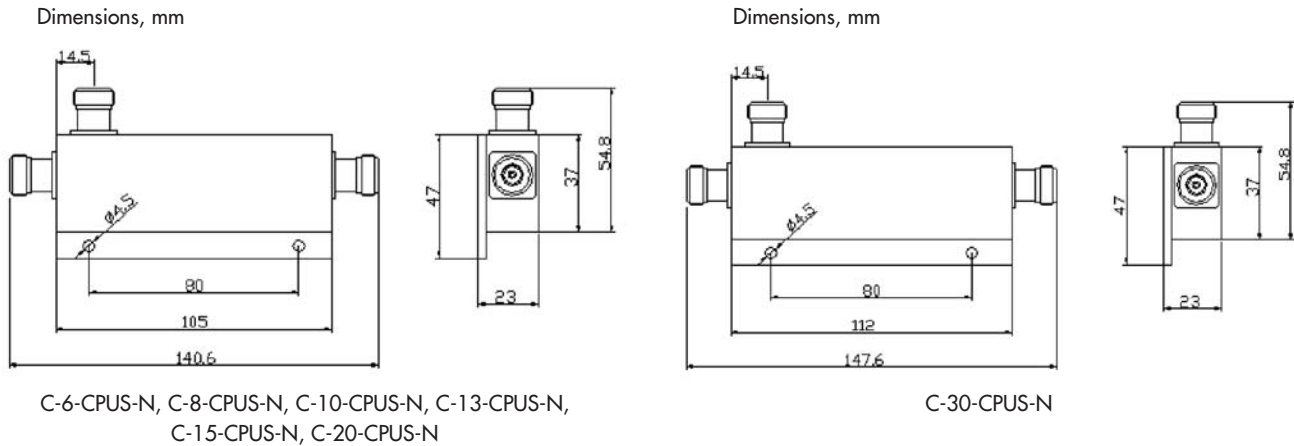
# Andrew Directional Coupler/Unequal Splitters

## Specifications for 800–2500 MHz – N Connectors

Frequency range, MHz	800 to 2500	Finish	
VSWR	1.2:1 maximum, all ports	Connectors	N-female
Power handling, watts	200 average	Inner layer	Silver plate
Isolation, dB	20 minimal	Outer layer	Cu-Sn-Zn plate
Impedance, ohm(s)	50 nominal	Housing	Black powder paint
Intermodulation, PIM, dBc	-140 @ 2 x 43 dBm inputs	Weight, g	C-6-CPUS-N: 315
Temperature range, C	-35° to +75°		C-8-CPUS-N: 315
Relative humidity, %	0 to 95		C-10-CPUS-N: 315
Applications	Indoor/Outdoor, IP65 rating		C-13-CPUS-N: 315
			C-15-CPUS-N: 315
			C-20-CPUS-N: 315
			C-30-CPUS-N: 350

## Model Number

Model Number	Coupling, dB 800–2500 MHz	Insertion loss, dB	Maximum reflected power watts, through port
C-6-CPUS-N	6 ± 0.8	1.5	40
C-8-CPUS-N	8 ± 1.0	1.1	70
C-10-CPUS-N	10 ± 1.0	0.7	100
C-13-CPUS-N	13 ± 1.0	0.5	200
C-15-CPUS-N	15 ± 1.0	0.4	200
C-20-CPUS-N	20 ± 1.0	0.2	200
C-30-CPUS-N	30 ± 1.0	0.2	200



Values are typical unless otherwise specified.



One Company. A World of Solutions.

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All designs, specifications, and availabilities of products and services presented in this bulletin are subject to change without notice.

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