



## PRODUCT DATA SHEET

C3820

**Non-Isolated Uneven Splitters (Taps):** Utilized to un-evenly split a single run of 50 Ohm coaxial cable, hosting multiple frequency bands, so that a shorter corridor, tunnel, shaft, or hallway is provided a lesser portion of power on the main coaxial run than that required by a longer run. Non-Isolated Uneven Splitters are Bi-Directional, and unlike Directional Couplers, all ports can communicate with one another.

### Features:

High Power

Wide Bandwidths

Small Size

Flat Coupling

Custom Designs Available

### Electrical Specifications:

Frequency: 77 - 2200 MHz  
Power: 100 W CW  
Coupling:  $6 \pm 1.0$  dB Max.  
Insertion Loss: 2.0 dB Max.  
Flatness:  $\pm 1.0$  dB Max.  
VSWR (ML): 1.50:1 Max.

### Mechanical Specifications:

Type: Connectorized  
Material: Aluminum 6061-T6  
Surface Finish: Chem. Film Per MIL-DTL-5541F  
Type I Class 3 (Yellow Iridite)  
RoHS Compliant Available  
Operating Temperature: -55°C to +75°C  
Storage Temperature: -60°C to +85°C  
Humidity: 95% Non-Condensing  
Size: 20.0 x 4.75 x 1.78"  
Weight: 6.25 lbs.

### Port Configurations:

#### Model

C3820-10  
C3820-20  
C3820-24

#### Input (J1)

N Female  
7/16 Female  
7/16 Female

#### Output (J2)

N Female  
7/16 Female  
7/16 Female

#### Fwd (J3)

N Female  
N Female  
7/16 Female

**Werlatone®** Broadband Non-Isolated Uneven Splitters (Taps) are designed to tolerate the most stringent operating conditions associated with Distributive Antenna Systems (DAS).

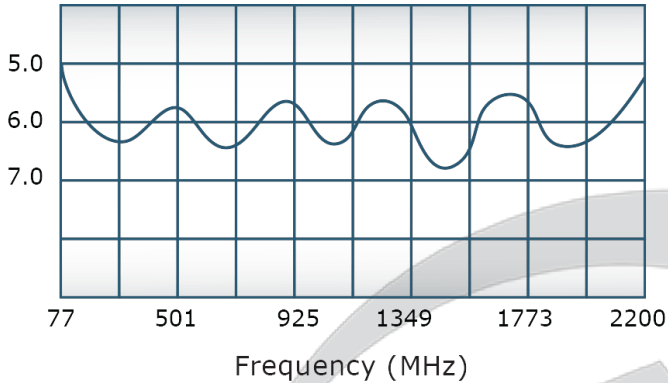


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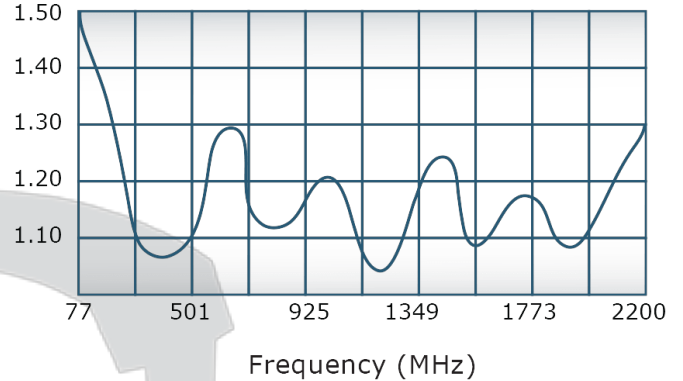
C3820

### Performance Data (Specifications subject to change without notice):

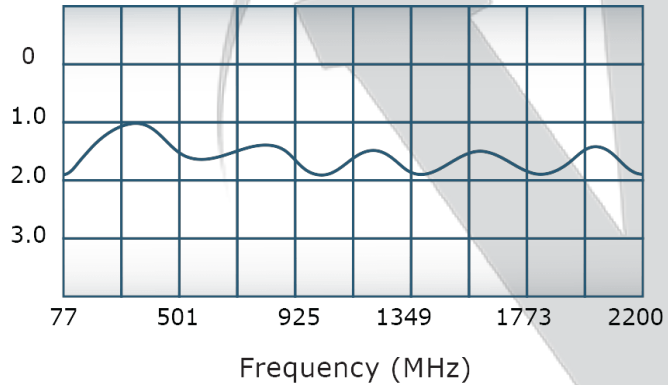
Coupling:



VSWR:



Insertion Loss:



For In-Building Applications

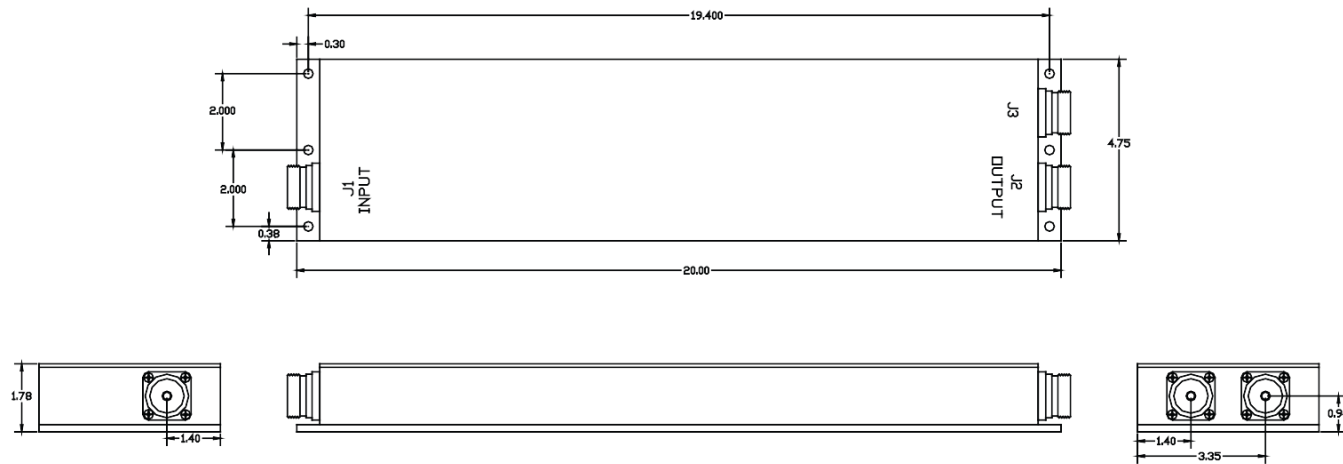


For In-Building Applications

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