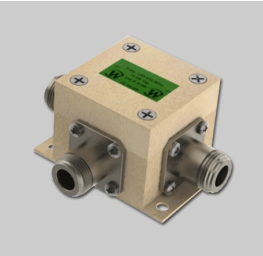
WERLATONE

Model C6294
Connectorized Directional Couplers



**PRODUCT DATA SHEET** **C6294**

**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: | 150 - 500 MHz |
| Power: | 100 W CW |
| Coupling: | 6 ± 1.0 dB Max. |
| Insertion Loss: | 0.75 dB Max. |
| Flatness: | ± 1.0 dB Max. |
| VSWR (ML): | 1.30:1 Max. |

**Mechanical Specifications:**

| | |
|---|---|
| Type: | Connectorized |
| Material: | Aluminum 6061-T6 |
| Surface Finish: | Chem. Film Per MIL-DTL-5541F<br>Type I Class 3 (Yellow Iridite)<br>RoHS Compliant Available |
| Operating Temperature: | -55°C to +75°C |
| Storage Temperature: | -60°C to +85°C |
| Humidity: | 95% Non-Condensing |
| Size: | 2.5 x 1.75 x 1.5'' |
| Weight: | 7 ounces |

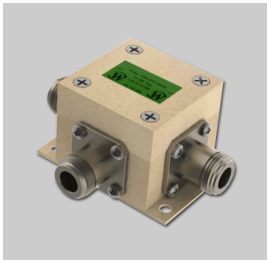
**Port Configurations:**

| **Model** | **Input (J1)** | **Output (J2)** | **Fwd (J3)** |
|---|---|---|---|
| C6294-10 | N Female | N Female | N 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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Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

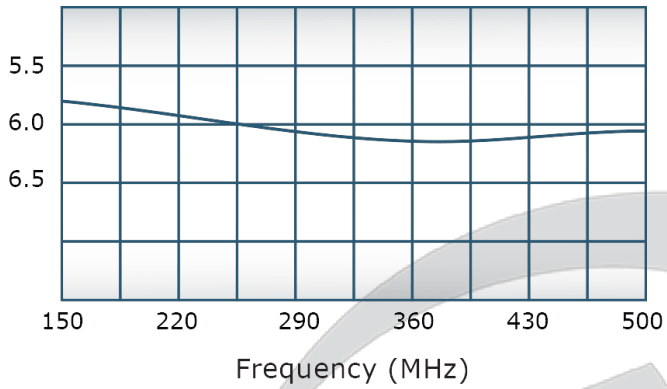
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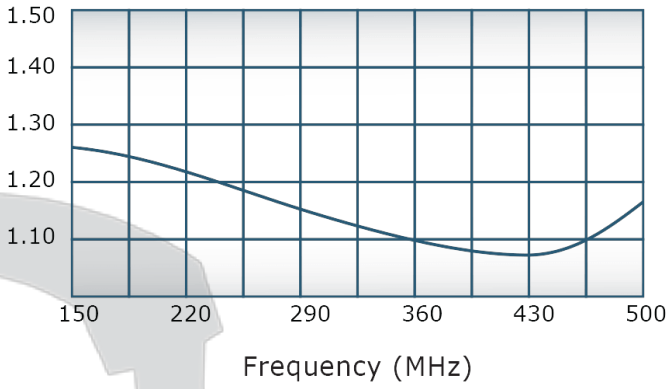


## Performance Data (Specifications subject to change without notice):

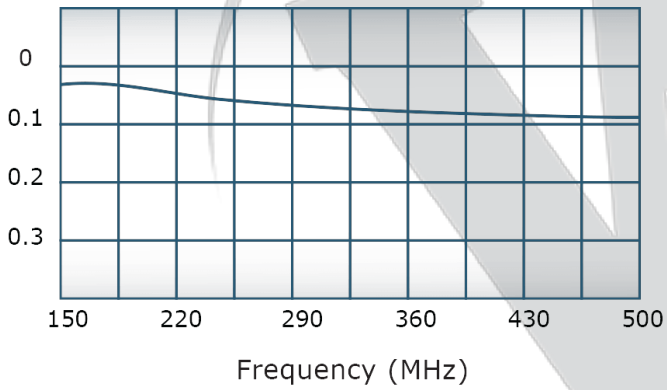
Coupling:




VSWR:



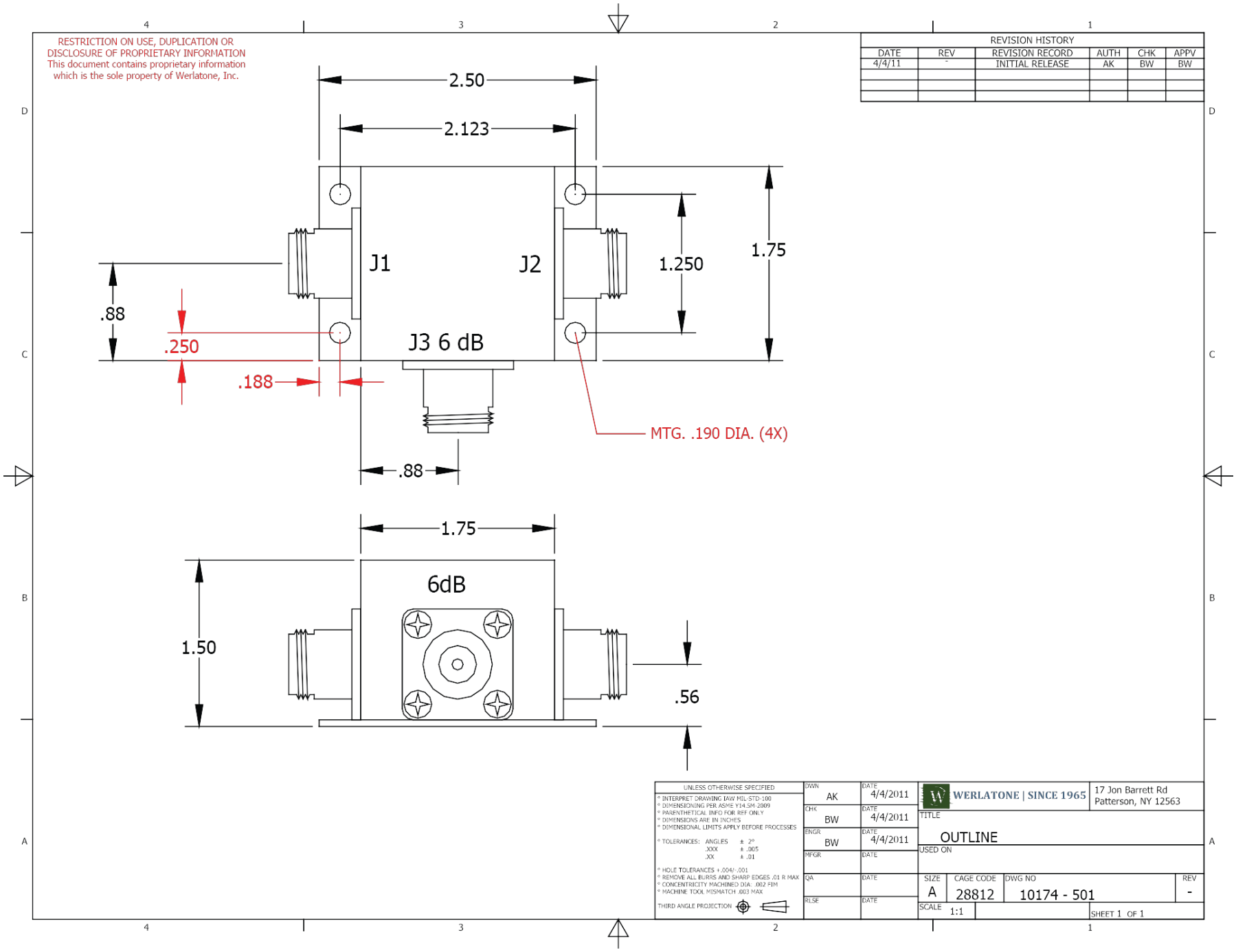

Insertion Loss:




For In-Building Applications



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