



## PRODUCT DATA SHEET

C2408

**3-Port Uni-Directional Coupler:** Consists of a main line and a coupled line. One end of the coupled line is internally terminated, while the other end serves as a coupled port. Ideal for sampling and monitoring power in one direction at a given time. It is necessary to physically reverse the orientation of the unit to change from a forward to a reverse power measurement.

### Features:

High Power

Wide Bandwidths

Small Size

Flat Coupling

Custom Designs Available

### Electrical Specifications:

Frequency: 1 - 500 MHz  
Power: 5 W CW  
Coupling:  $20 \pm 1.0$  dB Max.  
Insertion Loss: 1.0 dB Max.  
Flatness:  $\pm 0.5$  dB Max.  
VSWR (ML): 1.20:1 Max.  
Directivity: 25 dB Min.

### 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: 1.5 x 1.5 x 1.12"

### Port Configurations:

#### Model

C2408-10  
C2408-714

#### Input (J1)

N Female  
N Male

#### Output (J2)

N Female  
N Female

#### Fwd (J3)

N Female  
N Female

**Werlatone®** Broadband Dual, Uni, and Bi Directional RF Couplers are designed to tolerate the most stringent operating conditions associated with military and EMC testing environments. Many of our RF Directional Couplers, designated Mismatch Tolerant®, will operate continuously, at rated power, into a severe load mismatch condition. Our multi-octave Directional Couplers maintain exceptional coupling flatness, directivity, VSWR, and insertion loss.

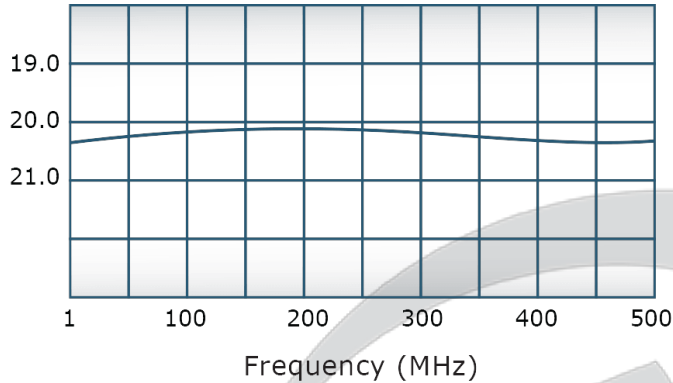


## PRODUCT DATA SHEET

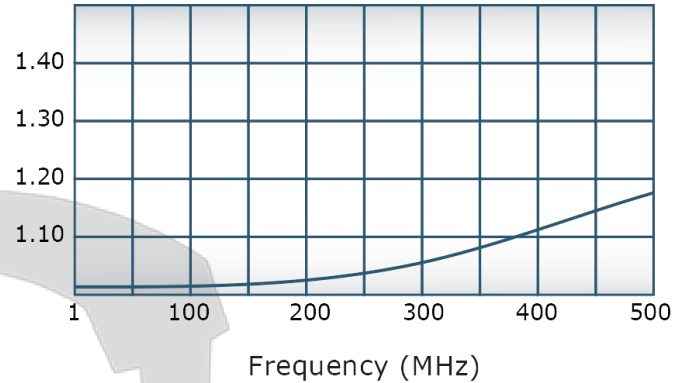
C2408

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

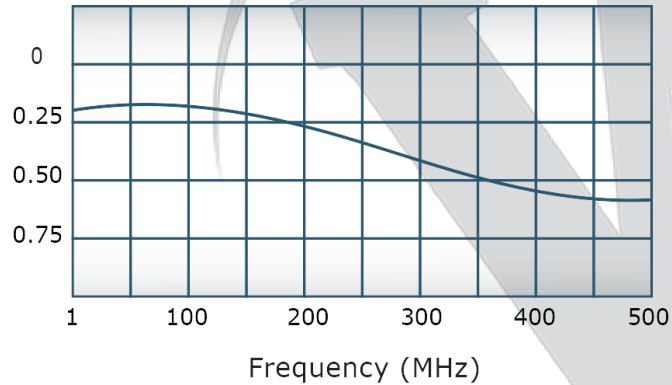
Coupling:



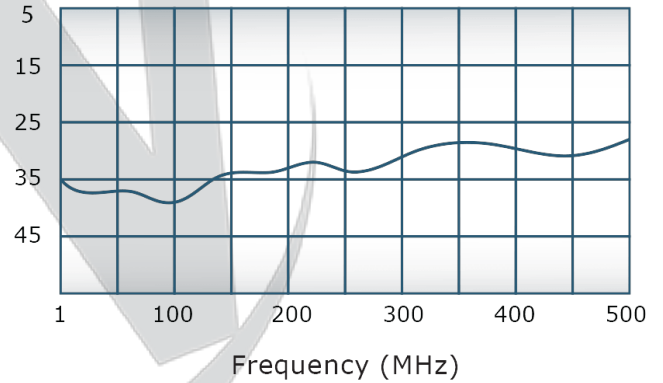
VSWR:



Insertion Loss:



Directivity:

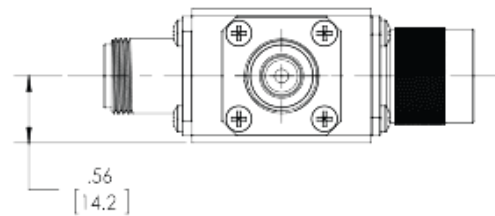
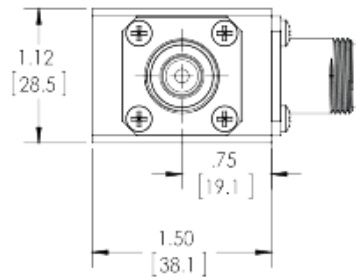
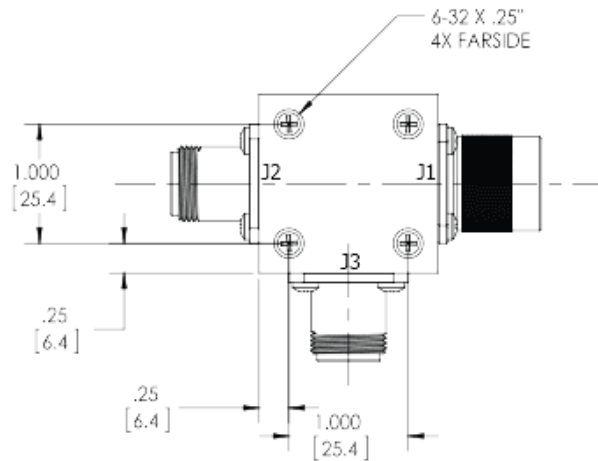


**Restriction on use, duplication, or disclosure of proprietary information.** This document contains proprietary information which is the sole property of Werlatone, Inc.

Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

**RESTRICTION ON USE, DUPLICATION OR DISCLOSURE OF PROPRIETARY INFORMATION**  
This document contains proprietary information which is the sole property of Werlatone, Inc.

REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	11/14/2016	CS



UNLESS OTHERWISE SPECIFIED			
1. DIMENSIONS ARE IN INCHES	DATE	11/14/2016	PLP
2. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
3. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
4. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
5. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
6. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
7. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
8. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
9. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
10. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
11. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
12. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
13. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
14. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
15. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
16. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
17. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
18. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
19. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
20. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
21. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
22. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
23. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
24. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
25. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
26. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
27. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
28. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
29. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
30. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
31. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
32. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
33. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
34. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
35. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
36. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
37. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
38. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
39. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
40. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
41. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
42. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
43. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
44. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
45. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
46. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
47. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
48. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
49. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
50. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
51. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
52. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
53. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
54. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
55. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
56. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
57. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
58. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
59. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
60. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
61. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
62. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
63. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
64. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
65. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
66. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
67. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
68. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
69. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
70. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
71. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
72. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
73. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
74. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
75. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
76. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
77. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
78. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
79. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
80. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
81. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
82. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
83. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
84. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
85. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
86. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
87. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
88. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
89. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
90. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
91. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
92. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
93. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
94. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
95. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
96. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
97. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
98. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
99. DIMENSIONS ARE IN MILLIMETERS	DATE		CS
100. DIMENSIONS ARE IN MILLIMETERS	DATE		CS

Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.  
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com