



C7081

PRODUCT DATA SHEET

4-Port Bi-Directional Coupler: Similar to the 3-Port Uni-Directional Coupler, except that both ends of the coupled line serve as coupled ports. Convenient for simultaneously monitoring both forward and reverse power. The directivity of this coupler design is, however, dependent upon well matched 50 Ohm loads on the coupled ports.

Features:

High Power	Wide Bandwidths	Small Size	Flat Coupling	Custom Designs Available
Electrical Specifications:				
Frequency:	30 - 512 MHz			
Power:	50 W CW			
Coupling:	$10 \pm 1.0 \text{ dB Max}.$			
Insertion Loss:	0.5 dB Max.			
Flatness:	± 1.0 dB Max.			
VSWR (ML):	1.30:1 Max.			
Directivity:	13 dB Min.			
Mechanical Specifications:				
Type:	Connector	bazi		
Material:	Aluminum 6061-T6			
Surface Finish:				
		ss 3 (Yellow Iridi		
		pliant Available		
Operating Temperature: -55°C to +75°C				
Storage Temperature: -60°C to +85°C				
Humidity: 95% Non-Condensing				
Size:	4.0 × 3.0 × 1.0"			
Weight:	16 ounces			
Connector Configurations:				
Model	Input (J1)	Output (J2	2) Fwd (J3)	Rev (J4)
C7081-10	N Female	N Female	N Female	
C7081-12	N Female	N Female	SMA	SMA
C7081-102	SMA	SMA	SMA	SMA

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.

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

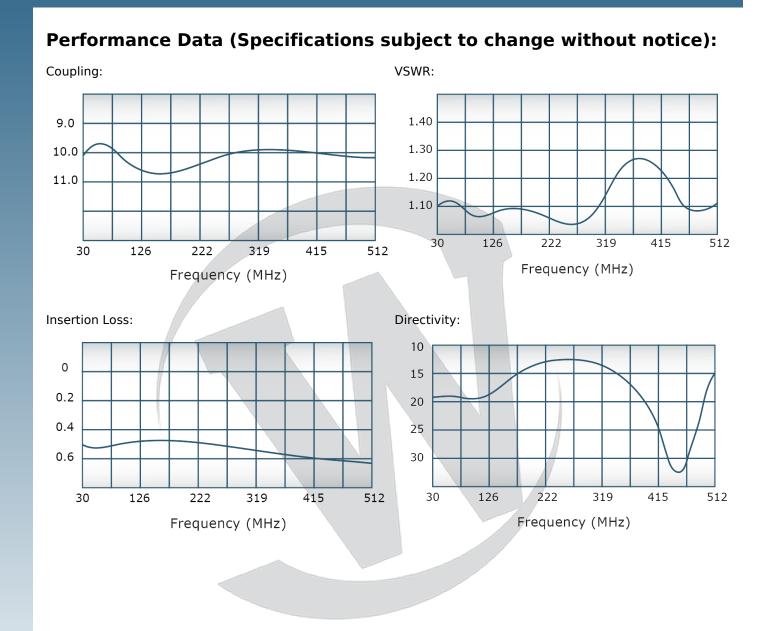
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com



PRODUCT DATA SHEET



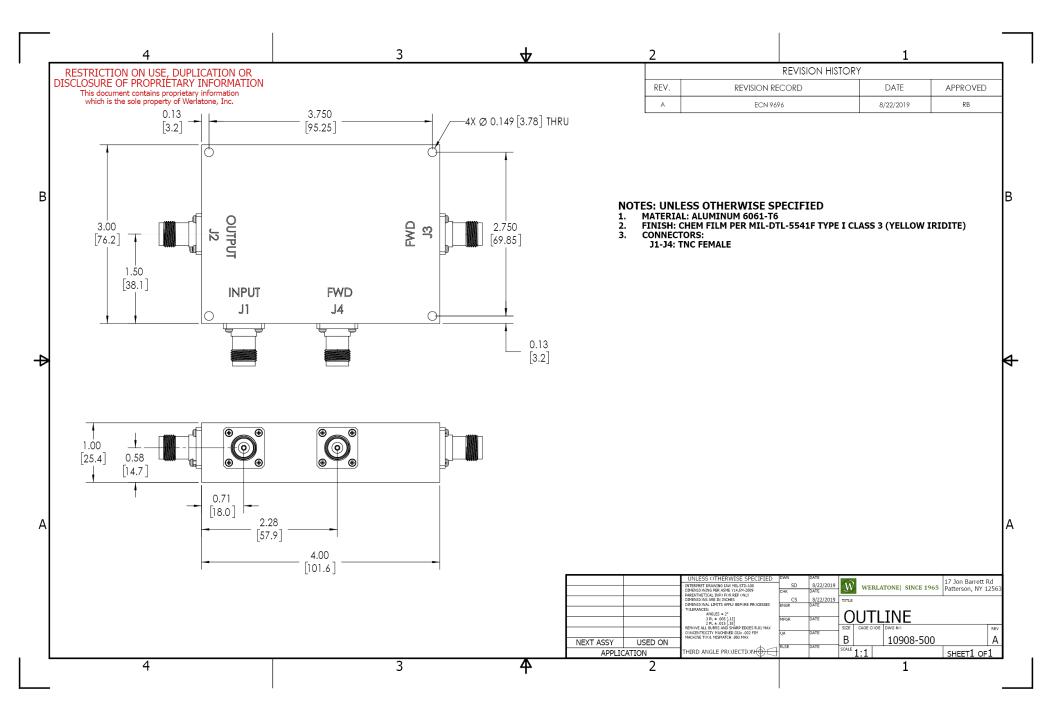
C7081



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

C7081 Rev.-



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

C7081 Rev.-