



PRODUCT DATA SHEET

AF9255

Werlatone® Low Pass, High Pass, and Band Pass Filters

- **Eliminate** instability of power amplifiers at out-of-band frequencies.
- **Eliminate** excessive In-Band ripples due to out-of-band reflected energies.
- **Eliminate** the false trigger of power-detector circuitry due to reflected harmonics.
- **Eliminate** potential damage to power amplifiers due to reflection of high power out-of-band energies.

Features:

Low Pass, High Pass, Band Pass

UHF, VHF, 800 MHz Designs

Custom Designs Available Upon Request

Electrical Specifications:

Frequency:	10 - 170 MHz	(Pass Band)
	300-1500 MHz	(Stop Band)
Power:	50 W CW	(10-170 MHz)
	10 W CW	(170-1500 MHz)
Insertion Loss:	0.6 dB Max.	(Pass Band)
VSWR:	1.25:1 Max.	(10-170 MHz)
	1.60:1 Max.	(170-1500 MHz)
Rejection:	50 dB Min.	(300-1500 MHz)

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:	2.5 x 1.265 x 1.0"

Port Configurations:

Model	Input/Output(J1)	Input/Output(J2)
AF9255-10	N Female	N Female
AF9255-12	N Female	SMA Female
AF9255-102	SMA Female	SMA Female

Werlatone® supplies High Power Low Pass, High Pass, and Band Pass Absorptive Filters. Our patented line of Absorptive Filters internally terminates out-of-band signals, preventing them from generating undesirable intermodulation products. In-band signals are transmitted through the filter. Our **Mismatch Tolerant®** design greatly reduces the dependency of the system on the length of interconnecting cable between two non-perfect components (for example, between the power amplifier and antenna).



WERLATONE

Model AF9255
Absorptive Filters Low Pass



PRODUCT DATA SHEET

AF9255

Performance Data (Specifications subject to change without notice):

Plot 1. Insertion Loss & Rejection Plot 2. Return Loss

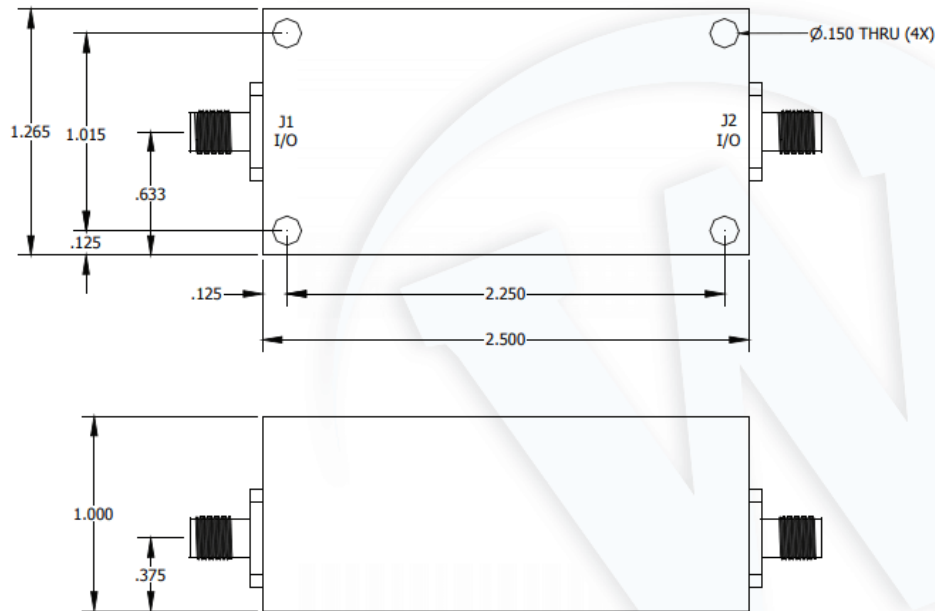


Restriction on use, duplication, or disclosure of proprietary information. This document contains proprietary information which is the sole property of Werlatone, Inc.

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

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

REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV
4/23/12	-	INITIAL RELEASE	AK	BW	BW



UNLESS OTHERWISE SPECIFIED		DWN	DATE	WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
* INTERPRET DRAWING IN INCHES UNLESS OTHERWISE SPECIFIED		AK	4/23/2012		WERLATONE SINCE 1965		
* DIMENSIONING PER ASME Y14.5M-2000		CHK	DATE				
* PARENTHESES FOR REF ONLY		BW	4/23/2012				
* DIMENSIONS ARE IN INCHES		ENGR	DATE				
* DIMENSIONAL LIMITS APPLY BEFORE PROCESSES		BW	4/23/2012				
* TOLERANCES: ANGLES ± 2° XXX ± .005 .XX ± .01		PRGR	DATE	USED ON			
* HOLE TOLERANCES ± .004/- .003 * REMOVE ALL BURRS AND SHARP EDGES .01 R MAX * CONCENTRICITY MATCHED DIA. .003 FIM * MACHINE TOOL HATCH .003 MAX		QA	DATE	AF9255			
				SIZE	CAGE CODE	DWG NO	REV
				A	28812	20856-500	-
THIRD ANGLE PROJECTION 		ELSE	DATE	SCALE	1:1	SHEET 1 OF 1	

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