



## PRODUCT DATA SHEET

D7630

**Werlatone® Mismatch Tolerant®** High Power Broadband RF Combiners and Dividers will operate into High Load VSWR Conditions, for extended periods, without damage. With extensive experience as a supplier to military platforms worldwide **Werlatone®** designs its High Power Broadband Combiners, Power Dividers, and N-Way Combiners for proper operation in the most stringent operating conditions.

### Features:

High Power      Wide Bandwidths      Small Size      High Isolation      Custom Designs Available

### Electrical Specifications:

Frequency: 800 - 3000 MHz  
 Power: 200 W CW  
 Insertion Loss: 0.4 dB Max.  
 VSWR: 1.35:1 Max.  
 Phase Balance:  $\pm 5^\circ$  Max.  
 Amplitude Balance: 0.25 dB Max.  
 Isolation: 15 dB Min.

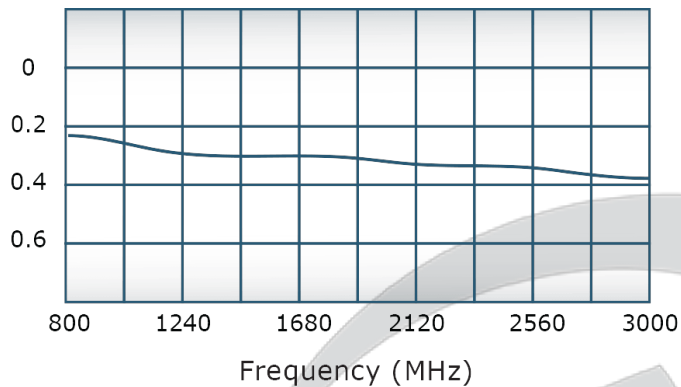
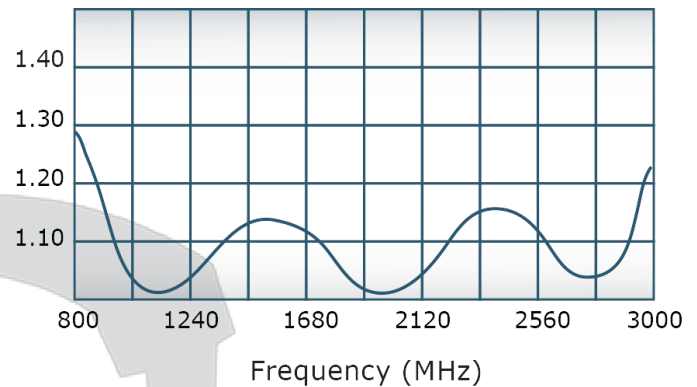
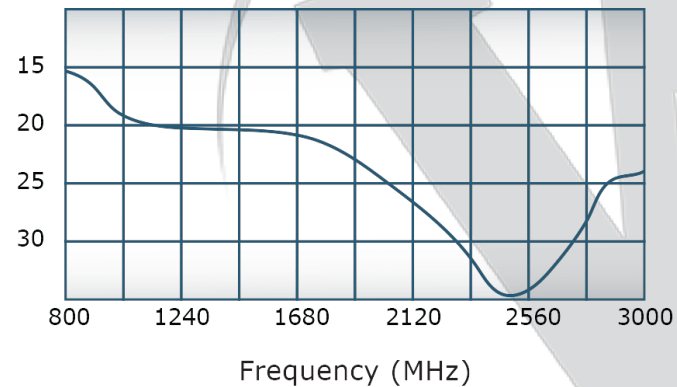
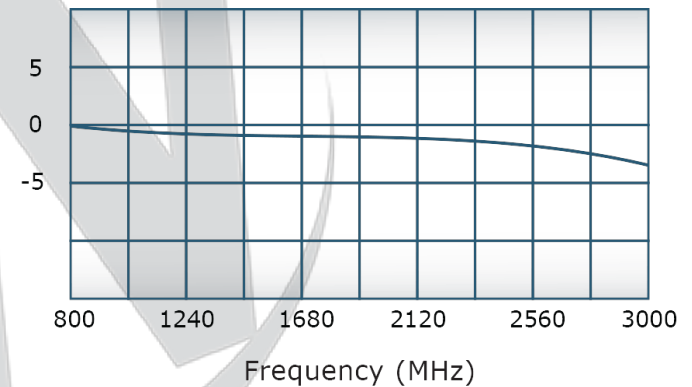
### Mechanical Specifications:

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  
 Weight: 0.5 lbs.  
 Size: 3.7 x 1.9 x 0.87"

### Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D7630-10	N Female	N Female	N Female
D7630-11	N Female	N Male	N Male
D7630-12	N Female	SMA	SMA
D7630-102	SMA	SMA	SMA
D7630-300	TNC	TNC	TNC

**When specified, Werlatone® High Power Combiners and RF Dividers** will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration from a list of options. Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.

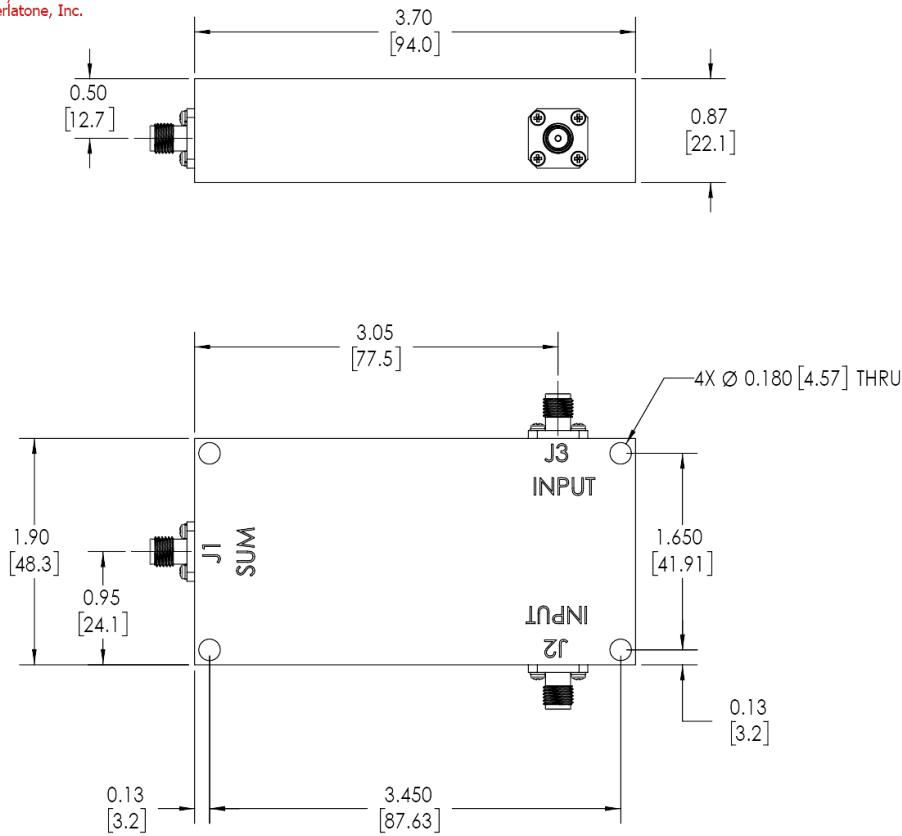

**PRODUCT DATA SHEET**
**D7630**
**Performance Data (Specifications subject to change without notice):**
**Insertion Loss:**

**VSWR:**

**Isolation:**

**Phase Balance:**




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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
A	ECN 9696	11/20/2019	RB

**NOTES: UNLESS OTHERWISE SPECIFIED**

- MATERIAL: ALUMINUM 6061-T6**
- FINISH: CHEM FILM PER MIL-DTL-5541F TYPE I CLASS 3 (YELLOW IRIDITE)**
- CONNECTORS: J1-J3: SMA FEMALE**



		UNLESS OTHERWISE SPECIFIED		OWN	DATE			17 Jon Barrett Rd	
		INTERPRET DRAWING 100% MIL-STD-100		SD	11/20/2019		WERLATONE   SINCE 1965	Patterson, NY 12563	
		DIMENSIONING PER ASME Y14.5M-2009		CHK	DATE				
		DIMENSIONAL INFO FOR REF ONLY		CS	11/20/2019				
		DIMENSIONS ARE IN INCHES		ENGR	DATE				
		DIMENSIONAL LIMITS APPLY BEFORE FINISHES							
		TOLERANCES:							
		ANGLES ± 2°							
		3 PL ± .005 [13]							
		2 PL ± .015 [38]							
		REMOVE ALL BURRS AND SHARP EDGES R.01 MAX		INPR	DATE	OUTLINE			
		CONCENTRICITY MACHINED DIA. .002 FIM		QA	DATE	SIZE CAGE CODE DWG NO		REV	
		MACHINE TOOL MISMATCH .003 FIM				20202-500		A	
NEXT ASSY		USED ON		RLSE	DATE	SCALE			
APPLICATION		THIRD ANGLE PROJECTION 				1:1		SHEET 1 OF 1	

WERLATONE SINCE 1965		17 Jon Barrett Rd Patterson, NY 12563	
TITLE		OUTLINE	
SIZE	CAGE CODE	DWG NO	REV
B		20202-500	A
SCALE	SHEET 1 OF 1		
1:1			

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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