

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: 500-3000 MHz
 Power: 1,200 W CW
 Insertion Loss: 0.5 dB Max.
 VSWR: 1.35:1 Max.
 Phase Balance: ± 6° Max.
 Amplitude Balance: 0.35 dB Max.
 Isolation: Non-Isolated

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
 Size: 5.9 x 4.5 x 1.6"

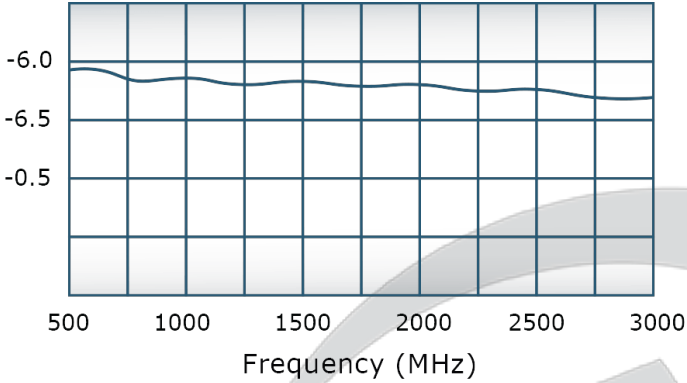
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2-J5)
D6669-10	7/16 N Female	N Female

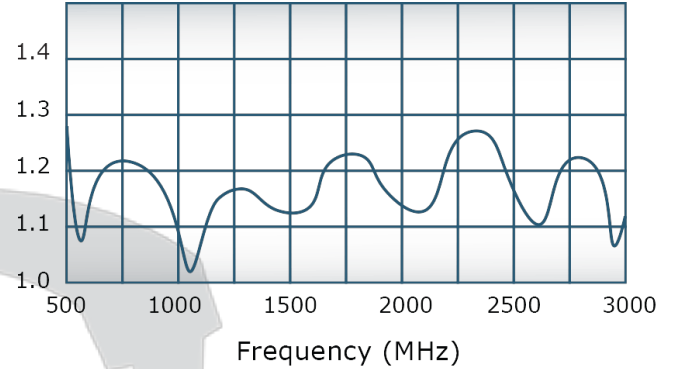
When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration 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.

Performance Data (Specifications subject to change without notice):

Insertion Loss:



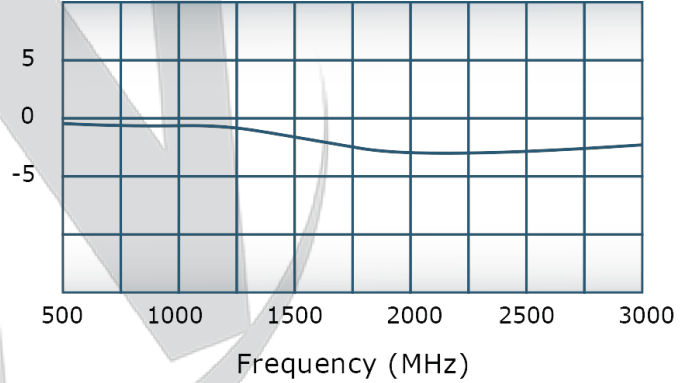
VSWR:



Since 1965:



Phase Balance:

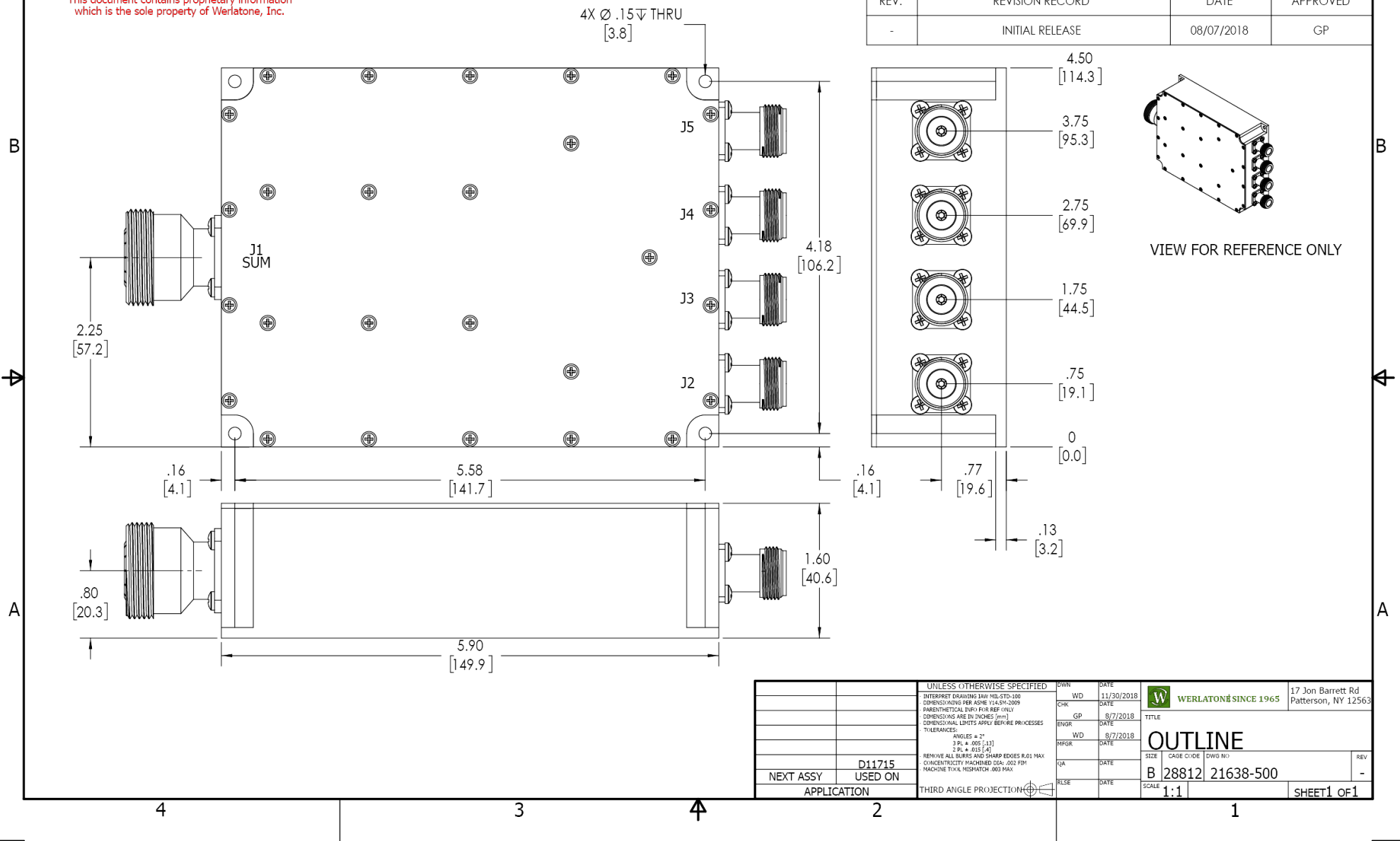


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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	08/07/2018	GP



UNLESS OTHERWISE SPECIFIED		OWN	DATE	17 Jon Barrett Rd Patterson, NY 12563	
INTERPRET DRAWING IAW MIL-STD-100	WD	11/30/2018	WERLATONE SINCE 1965		
DIMENSIONS PER ASME Y14.5M-2009	CHK	DATE			
PARENTHEetical INFO FOR REF ONLY	ENGR	8/7/2018	TITLE		
DIMENSIONS ARE IN INCHES (mm)	GP	DATE	OUTLINE		
DIMENSIONAL LIMITS APPLY BEFORE PROCESSES	WD	8/7/2018			
TOLERANCES:	INFR	DATE	SIZE	CAGE CODE	DWG NO
ANGLES = 2°	QA	DATE	B	28812	21638-500
3 PL ± .005 (.13)	RLSE	DATE	SCALE	1:1	
2 PL ± .015 (.4)	APPLICATION		SHEET 1 OF 1		
REMOVE ALL BURRS AND SHARP EDGES R.01 MAX	THIRD ANGLE PROJECTION				
CONCENTRICITY MACHINED DIA: .002 FIM					
MACHINE TOOL MISMATCH .003 MAX					

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