WERLATONE

Model D9416
Combiners In-Phase Connectorized

PRODUCT DATA SHEET **D9416**

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:	200 - 1000 MHz
Power:	500 W CW
Insertion Loss:	0.65 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.3 dB Max.
Isolation:	17 dB Min.

Mechanical Specifications:

Type:	Connectorized
Material:	Aluminum 6061-T6
Surface Finish:	Chem. Film Per MIL-DTL-5541F Type II Class 3 (Clear Iridite) RoHS Compliant Available
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C
Size:	4.7 x 5.0 x 1.4''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2-J5)**
D9416-10	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.

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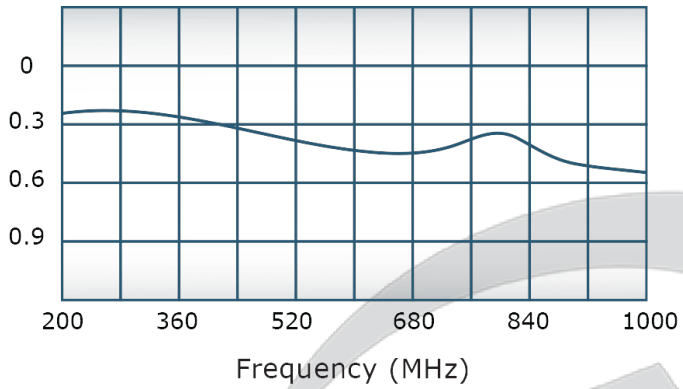
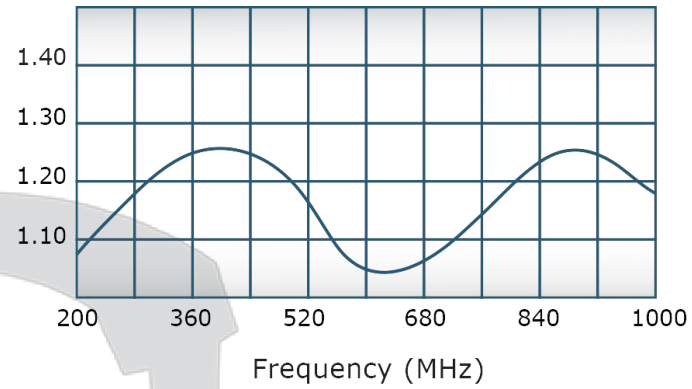
Performance Data (Specifications subject to change without notice):

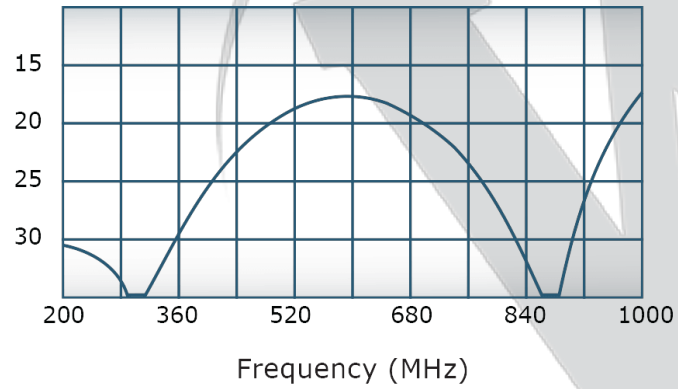
Insertion Loss:



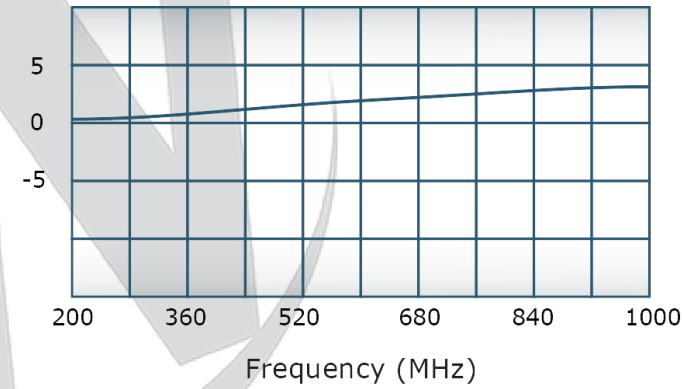
VSWR:



Isolation:



Phase Balance:



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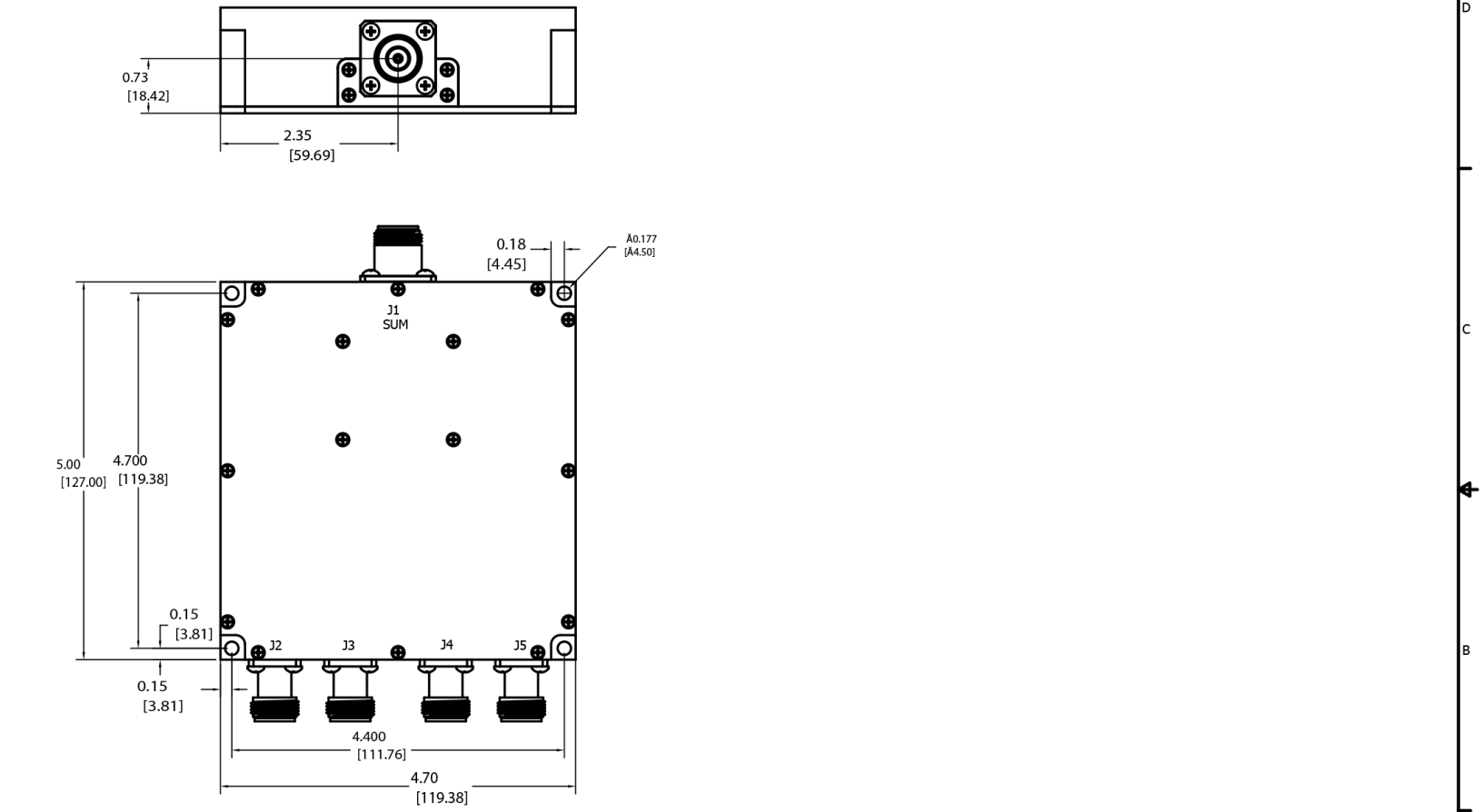
REVISION HISTORY

DATE	REV	REVISION RECORD	AUTH	CHK	APPV
6/6/13	B	8215	PR		



UNLESS OTHERWISE SPECIFIED
° INTERPRET DRAWING IAW MIL-STD-100
° DIMENSIONING PER ASME Y14.5M-2009
° PARENTHETICAL INFO FOR REF ONLY
° DIMENSIONS ARE IN INCHES
° DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
° TOLERANCES: ANGLES ± 2°, .XXX ± .005, .XX ± .015
° HOLE TOLERANCES +.004/-.001
° REMOVE ALL BURRS AND SHARP EDGES .01 R MAX
° CONCENTRICITY MACHINED DIA: .002 FIM
° MACHINE TOOL MISMATCH .003 MAX
THIRD ANGLE PROJECTION

DWN	PR	DATE 7/28/
CHK	NA	DATE 7/28/
ENGR		DATE
MFGR		DATE
QA		DATE
RLSE		DATE

WERLATONE SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE
USED ON
SIZE: C | CAGE CODE: 28812 | DWG NO: 20768-500 | REV: B
SCALE: 1:1
SHEET 1 OF 1

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