WERLATONE

Model D10407
Combiners In-Phase Connectorized

PRODUCT DATA SHEET **D10407**

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:	3100 - 3500 MHz
Power:	400 W CW
Insertion Loss:	0.3 dB Max.
VSWR:	1.40:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.25 dB Max.
Isolation:	20 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
Size:	2.52 x 2.4 x 1.16''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2)**	**Input/Output (J3)**
D10407-10	N Female	N Female	N Female
D10407-12	N Female	SMA	SMA
D10407-20	7/16 Female	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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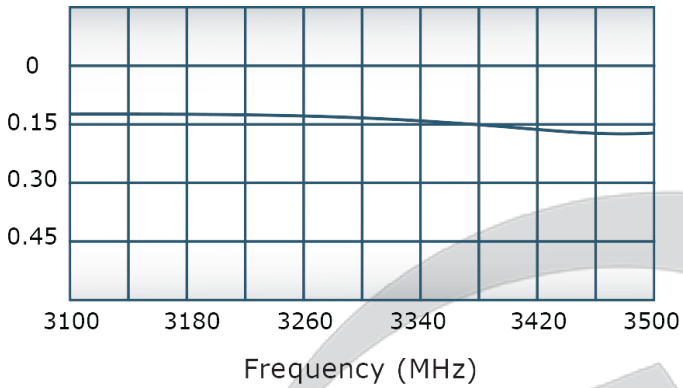
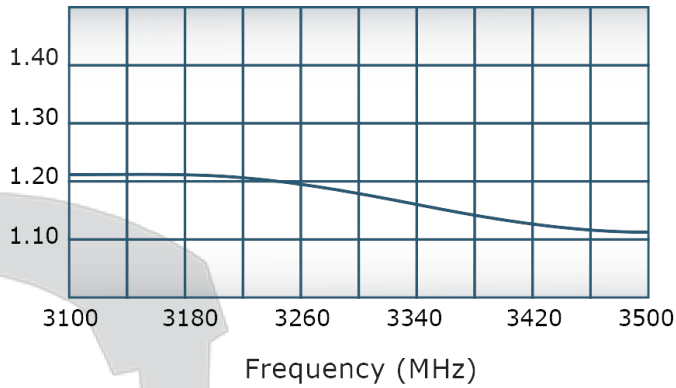
Performance Data (Specifications subject to change without notice):

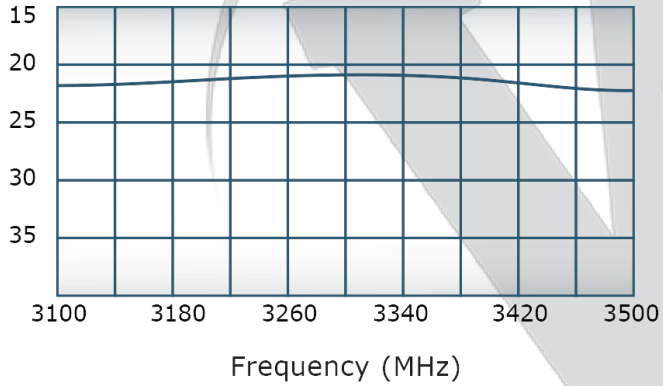
Insertion Loss:



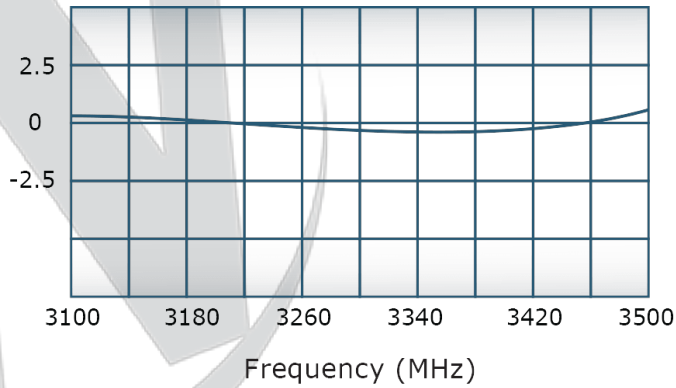
VSWR:



Isolation:



Phase Balance:



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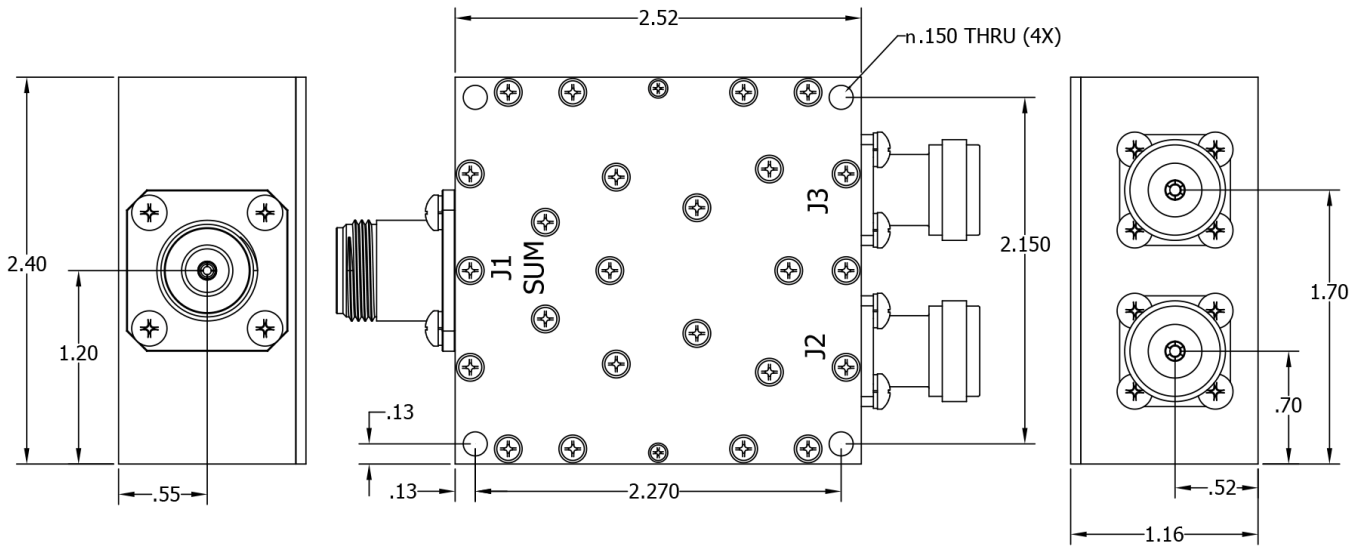
REVISION HISTORY			
REV	REVISION RECORD	DATE	APPROVED
-	INITIAL RLS	7/15/2013	BW



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-
  3 PL ± .005
  2 PL ± .015

THIRD ANGLE PROJECTION

		DATE
DWN	NH	07/15/13
CHK	BW	07/15/13
ENGR	BW	07/15/13
MFGR		DATE
QA		DATE
RLSE		DATE

WERLATONE | SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE
OUTLINE

SIZE	CAGE CODE	DWG NO	REV
A	28812	21038-500	-

SCALE 1:1 SHEET 1 OF 1

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