WERLATONE

Model D9075
Combiners In-Phase Connectorized

PRODUCT DATA SHEET **D9075**

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:	20 - 1000 MHz
Power:	1000 W CW
Insertion Loss:	0.65 dB Max.
VSWR:	1.35:1 Max.
Phase Balance:	± 5° Max.
Amplitude Balance:	0.3 dB Max.
Isolation:	15 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
Weight:	4 lbs.
Size:	5.7 x 4.7 x 1.75''

Connector Configurations:

Model	**Sum Port (J1)**	**Input/Output (J2-J5)**
D9075-10	N Female	N Female
D9075-12	N Female	SMA Female
D9075-20	7/16 Female	N Female
D9075-22	7/16 Female	SMA
D9075-41	SC 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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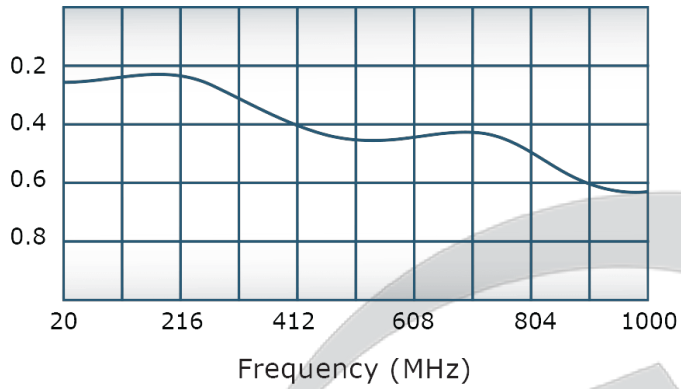
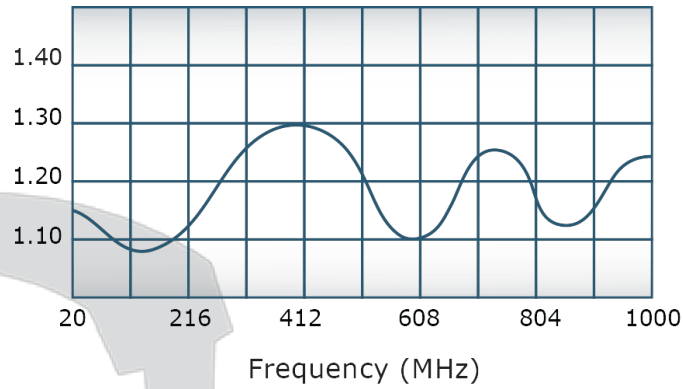
Performance Data (Specifications subject to change without notice):

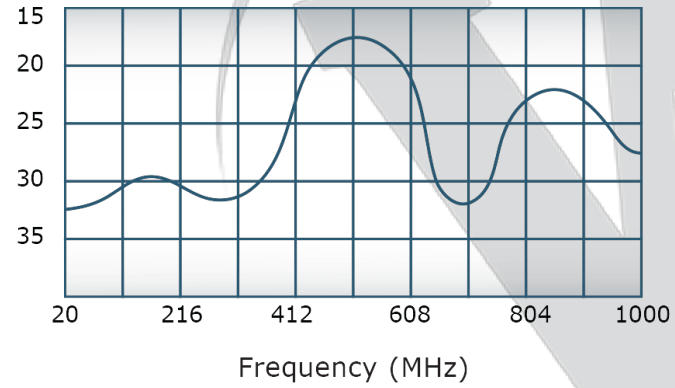
Insertion Loss:



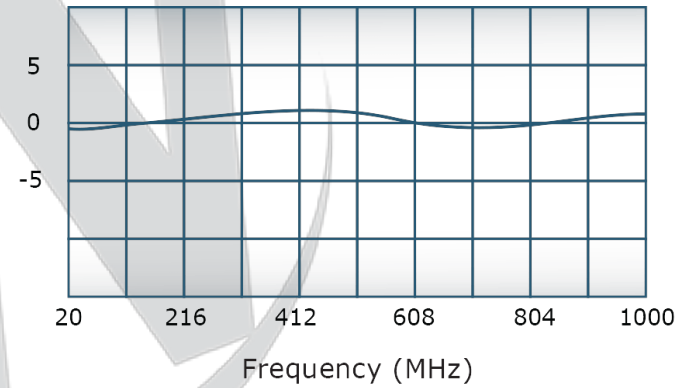
VSWR:



Isolation:



Phase Balance:



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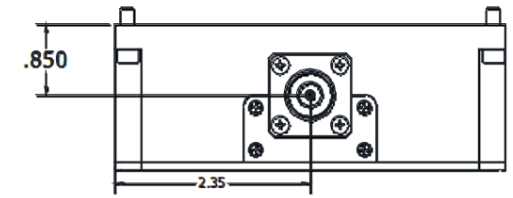
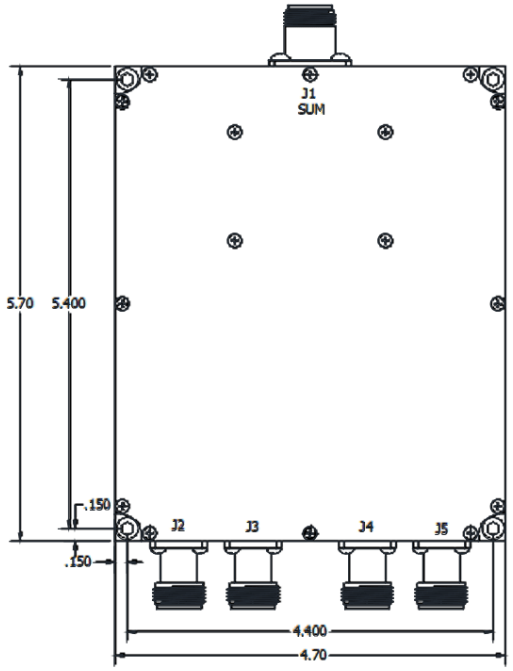
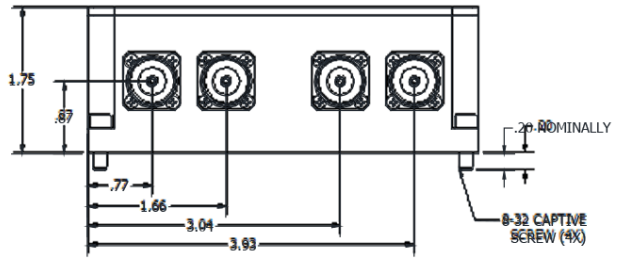
REVISION HISTORY

DATE	REV	REVISION RECORD	AUTH	CHK	APPV
7/28/11	-	INITIAL RELEASE	PR		
5/28/13	A	8198	PR		
12/14/18	B	9718	MK		
4/16/25	C	10743	JG		







NOTES:
1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM PER MIL-DTL-5541F
   TYPE I CLASS 3 (YELLOW IRIDITE)
3. CONNECTORS: ALL N (FEMALE)

UNLESS OTHERWISE SPECIFIED
* INTERPRET DRAWING PER MIL-STD-100
* DIMENSIONING PER ASME Y14.5M-2009
* PARENTHETICAL INFO FOR REF ONLY
* DIMENSIONS ARE IN INCHES
* DIMENSIONAL LIMITS APPLY BEFORE PAINTING/PLATING
* TOLERANCES:
  ANGLES ± 1°
  .XXX ± .005
  .XX ± .015
* HOLE TOLERANCES +.005/-.000
* REMOVE ALL BURRS AND SHARP EDGES, .015 MAX
* CONCENTRICITY MACHINED DIA: .005 TIR
* MACHINE TOOL MISMATCH .005 MAX
THIRD ANGLE PROJECTION

DWN	PR	7/28/2011
CHK		
ENGR		
MFGR		
QA		
RLSE		

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

TITLE: OUTLINE
USED ON: D9075
SIZE: C | CAGE CODE: 28812 | DWG NO: 20788-500 | REV: C
SCALE: 1:1
SHEET 1 OF 1

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