WERLATONE

Model H6286

PRODUCT DATA SHEET **H6286**

Werlatone® High Power 180° RF Hybrid Combiners/Dividers balance traditional technologies with disruptive microwave techniques. The outcome is a microwave component which provides an order of magnitude improvement over current capabilities. Our newest line of high power, patented 180° RF Hybrid Combiners/Dividers provides an incredible 5:1 bandwidth, while exhibiting exceptionally low loss and superior port-to-port isolation.

Features:

High Power Wide Bandwidths Small Size Excellent Amplitude Balance

Electrical Specifications:

Frequency:	2 - 32 MHz
Power:	1000 W CW
Insertion Loss:	0.3 dB Max.
VSWR:	1.30:1 Max.
Phase Balance:	180° ± 5° Max.
Amplitude Balance:	± 0.1 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
Weight:	4 lbs. 4 oz.
Size:	8.25 x 4.5 x 2.69''

Connector Configurations:

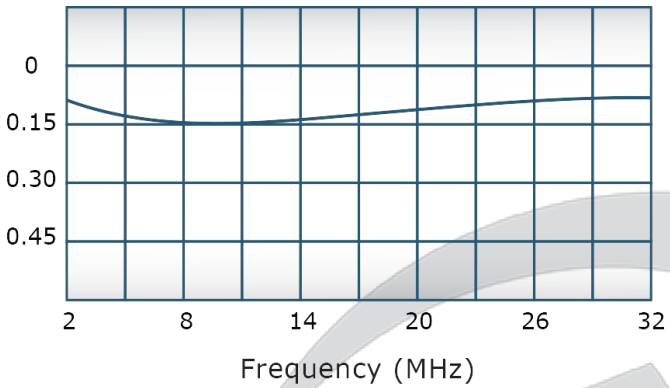
Model	**Sum Port (J1)**	**Inputs (J3,J4)**	**Diff. Port (J2)**
H6286-10	N Female	N Female	N Female
H6286-20	7/16 Female	N Female	N Female
H6286-41	SC Female	N Female	N Female

Werlatone's standard line of High Power 180° RF Hybrid Combiners/Dividers covers multiple octaves within a microwave device. Low frequency 180° Hybrid Combiner/Dividers employ proprietary ferrite transmission line techniques, similar to our 0° Combiners/Dividers. Insertion loss in both sum and difference ports is minimal, allowing the hybrid to handle high power over its frequency range. Custom requirements are welcome.

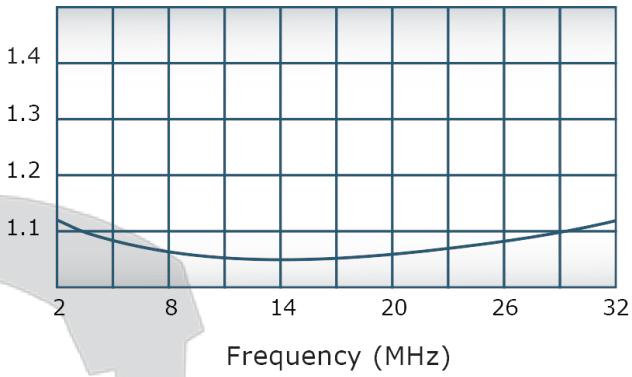
Werlatone, Inc. 17 Jon Barrett Road Patterson, NY 12563 T:(845)278-2220 F:(845)278-3440 sales@werlatone.com www.werlatone.com

Performance Data (Specifications subject to change without notice):

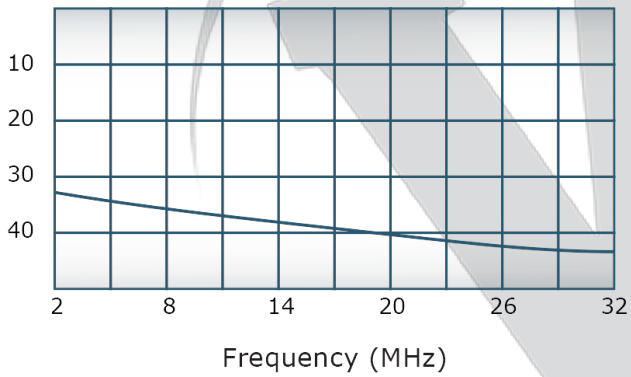
Insertion Loss:



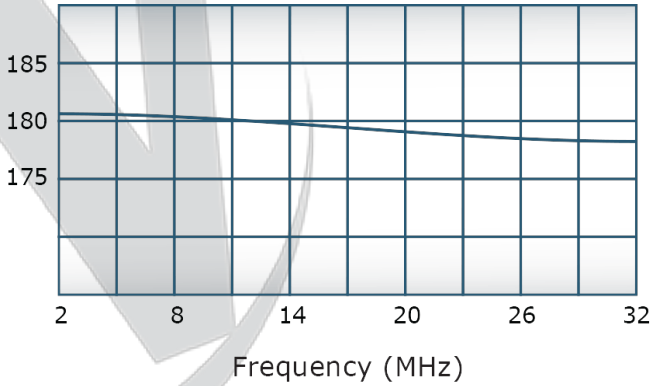
VSWR:



Isolation:



Phase Balance:



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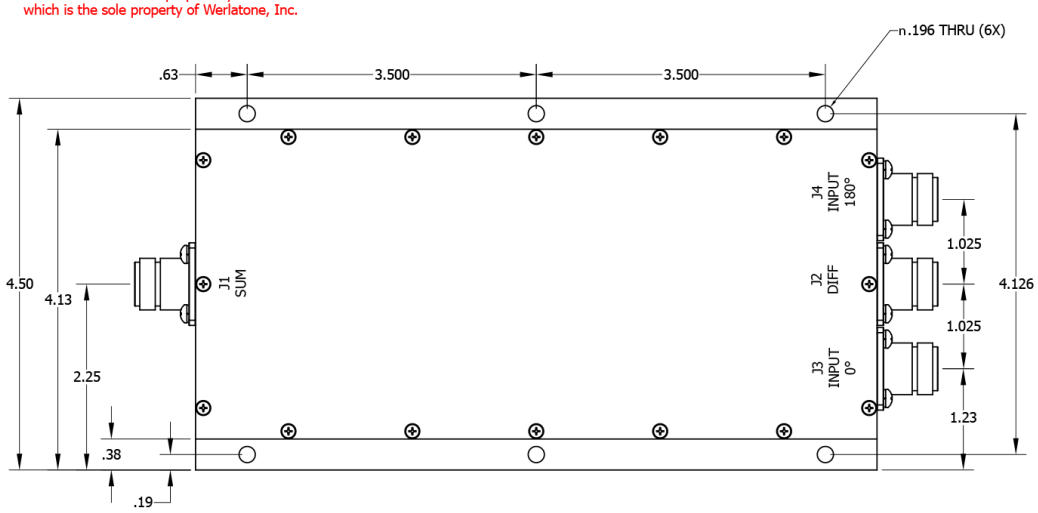
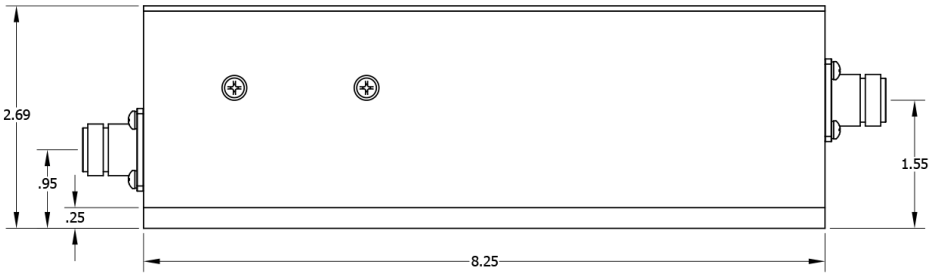
REVISION HISTORY					
DATE	REV	REVISION RECORD	AUTH	CHK	APPV





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 THIRD ANGLE PROJECTION	DWN	NH	DATE	2/9/2010
	CHK	BW	DATE	2/9/2010
	ENGR	BW	DATE	2/9/2010
	MFGR		DATE	
	QA		DATE	
	RLSE		DATE	

WERLATONE | SINCE 1965
2095 Route 22
Brewster, NY 10509

TITLE: OUTLINE
USED ON

SIZE	CAGE CODE	DWG NO	REV
A	28812	20590-500	-

SCALE
SHEET 1 OF 1

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