WERLATONE

Model H7877
180° Hybrids Connectorized



PRODUCT DATA SHEET **H7877**

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:	400 - 2000 MHz
Power:	350 W CW *
Insertion Loss:	0.5 dB Max.
VSWR:	1.40:1 Max.
Phase Balance:	180° ± 5° Max.
Amplitude Balance:	± 0.3 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:	14 oz.
Size:	4.5 x 2.65 x 1.2''

Connector Configurations:

Model	**Sum Port (J4)**	**Inputs (J2,J3)**	**Diff. Port (J1)**
H7877-10	N Female	N Female	N Female
H7877-12	N Female	SMA	SMA
H7877-102	SMA	SMA	SMA

POWER SPECIFICATION: * 350 W CW with maximum baseplate temperature of ≤ +70°C 300 W CW with maximum baseplate temperature of ≤ +85°C

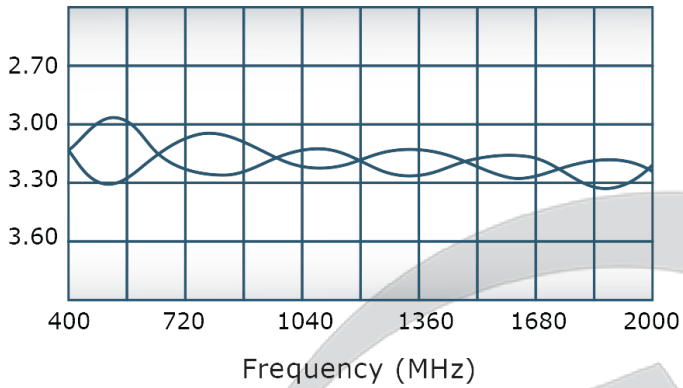
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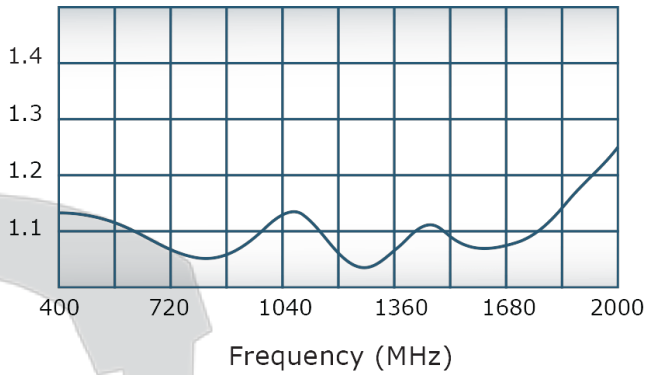


Performance Data (Specifications subject to change without notice):

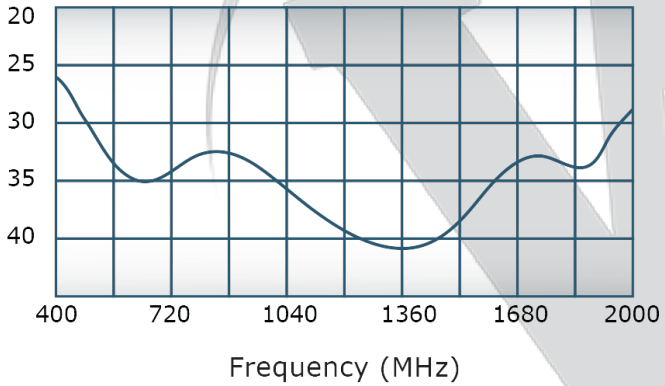
Insertion Loss:



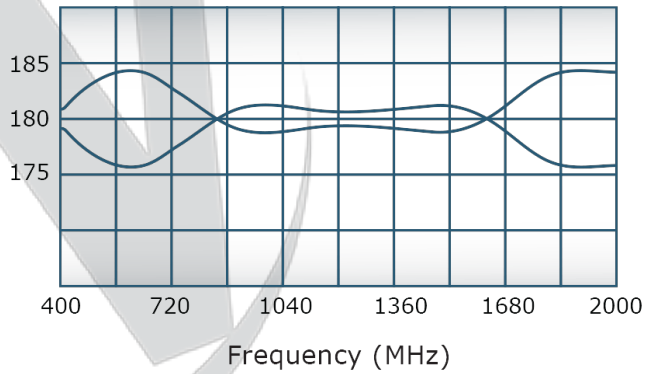
VSWR:



Isolation:

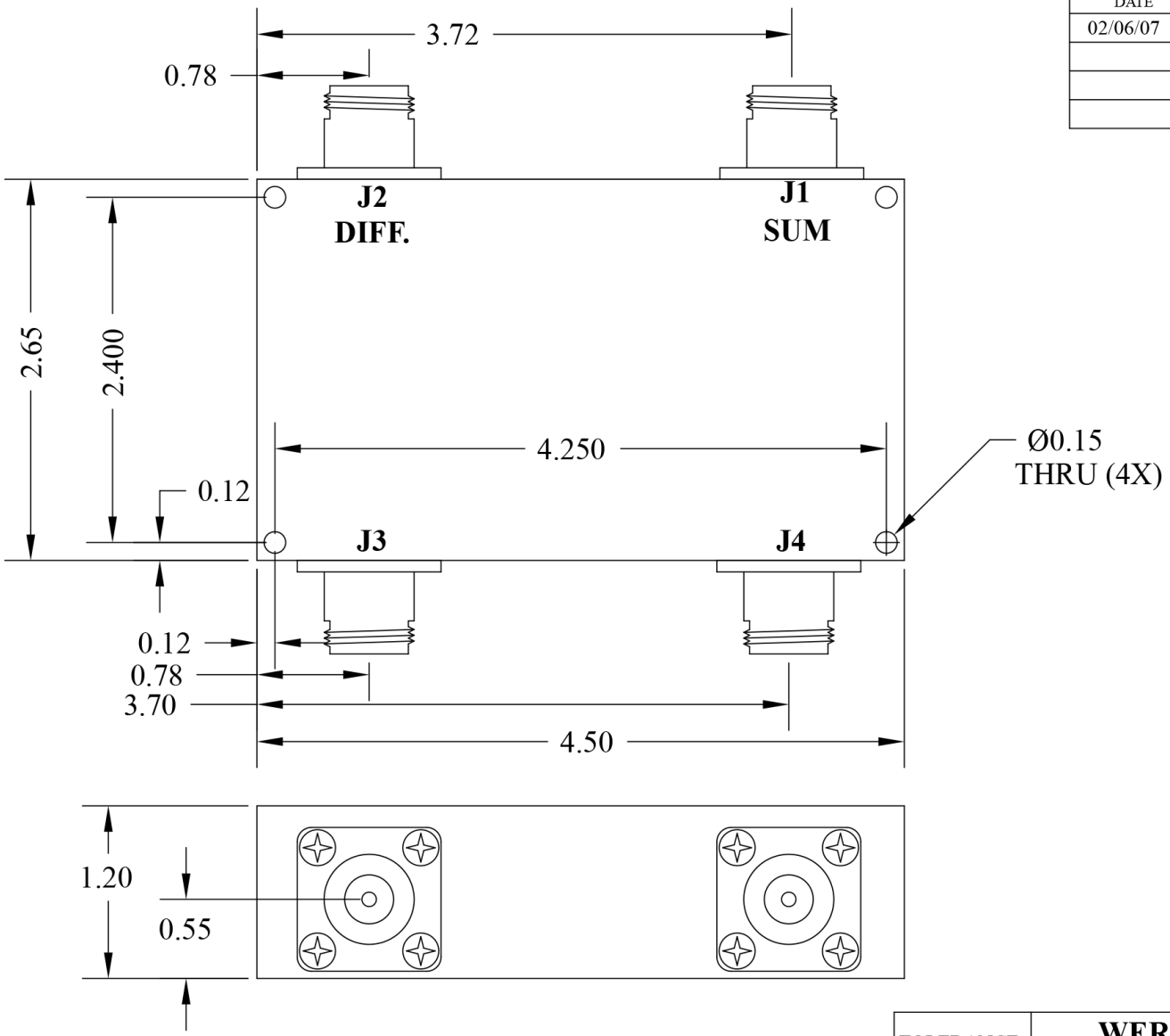


Phase Balance:



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DATE	SYM	REVISION RECORD	AUTH	DR	CK
02/06/07	A	ECN # 4164	NH		NH



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	TITLE : **OUTLINE**		
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