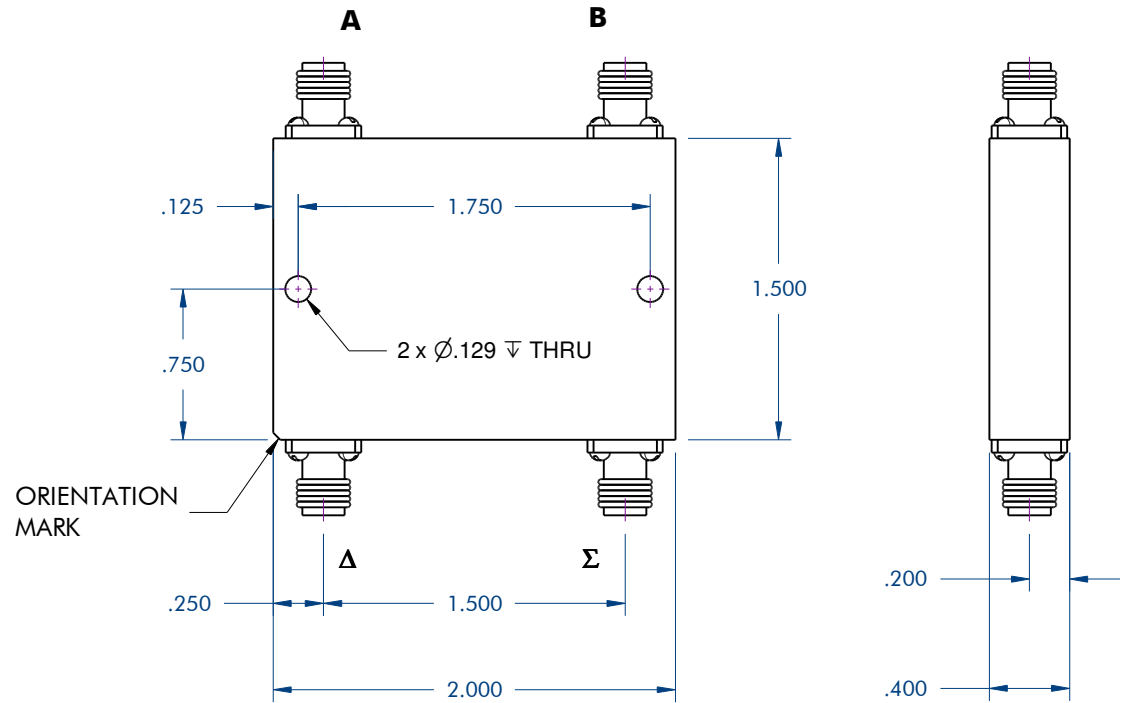


### CONFIGURATION

Port	In-Phase Divider	In-Phase Combiner	180-deg. Divider	180-deg. Combiner
A	0° Output	0° Input	0° Output	0° Input
B	0° Output	0° Input	180° Output	180° Input
Delta	Terminate	Terminate	Input	Output
Sum	Input	Output	Terminate	Terminate

Terminate with load of sufficient power rating.



### ELECTRICAL SPECIFICATIONS

Frequency Range	4 ~ 8	GHz
Amplitude Balance	1.0	dB, max.
Phase Balance	0/180 ± 5	degrees, max.
Isolation	20	dB, min.
Insertion Loss	0.6	dB, max.
Common Port VSWR	1.4	:1, max.
Split Port VSWR	1.4	:1, max.
Average Power as Splitter	20	Watts, max.
Average Power as Combiner	10	Watts/port, max.
Impedance	50	Ohms, nom'l.
Peak Power	UNSPEC'D.	kW, max (2% duty)
Passive Intermodulation	UNSPEC'D.	2x +43 dBm, nom'l.

### MECHANICAL SPECIFICATIONS

R.F. Interface	SMA Female
Operating Temperature	-40 ~ +65 °C (Tested at +25 °C)
Environment	Indoor use only.
Humidity	90%, non-condensing.
Weight	1.9 oz Nominal

## WERBEL MICROWAVE

622 State Hwy. 10 West, Unit 9, Whippany, New Jersey, 07981  
Sales@WerbelMicrowave.com

Tel. (973) 515-3001 ~ FAX (973) 515-3004  
http://www.WerbelMicrowave.com CAGE Code: 78YZ0

### 2JS0408

Connectors	Stainless Steel, Passivate
Contact Pins	Beryllium Copper, Gold Plate
Insulators	PTFE
Housing	Aluminum, RoHS Chemical Conversion
Finish	Optional / Specify

### 180-degree Hybrid

REV	DESCRIPTION	ENG.	DATE
0	Engineering release.	ETW	1/22/2017

Input power is rated for load VSWR of 1.20:1, max. Insertion loss excludes coupling/split loss.  
All dimensions in inches with tolerance ± .010" and are typical unless otherwise specified.  
Specifications are subject to change without notice. This document shall not form part of any contract.