



### ELECTRICAL SPECIFICATIONS

Frequency Range	8 - 12.4	GHz
Amplitude Balance	0.25	dB, max.
Phase Balance	3	degrees, max.
Isolation	17	dB, min.
Insertion Loss	0.5	dB, max.
Common Port VSWR	1.5	:1, max.
Split Port VSWR	1.4	:1, max.
Average Power as Splitter	30	Watts, max.
Average Power as Combiner	0.05	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 ~ +85 °C (Tested at +25 °C)
Environment	Indoor use only.
Humidity	90%, non-condensing.
Weight	0.8 oz Nominal

# WERBEL MICROWAVE

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## 2PS0812

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

## Power Splitter / Combiner

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  $\pm .010$ " and are typical unless otherwise specified.  
 Specifications are subject to change without notice. This document shall not form part of any contract.