



### ELECTRICAL SPECIFICATIONS

Frequency Range	0.5 ~ 1.0	GHz
Amplitude Balance	0.2	dB, max.
Phase Balance	2	degrees, max.
Isolation	20	dB, min.
Insertion Loss	0.4	dB, max.
Common Port VSWR	1.25	:1, max.
Split Port VSWR	1.2	:1, max.
Average Power as Splitter	30	Watts, max.
Average Power as Combiner	0.5	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	N Female
Operating Temperature	-40 ~ +65 °C (Tested at +25 °C)
Environment	Indoor use only.
Humidity	90%, non-condensing.
Weight	8 oz Nominal

# WERBEL MICROWAVE

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## 2PNX501

Connectors	Brass, Nickel Plate
Contact Pins	Beryllium Copper, Gold Plate
Insulators	PTFE
Housing	Aluminum, RoHS Chemical Conversion
Finish	Medium Grey Acrylic Enamel BB310

## 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.