



### ELECTRICAL SPECIFICATIONS

Frequency Range	950 ~ 1,220	MHz
Coupling Tolerance	30 ± 1.00	dB, nom'l.
Flatness (Sensitivity)	± 1.00	dB, max.
Directionality	20	dB, min.
Main Line Insertion Loss	0.3	dB, max.
Main Line VSWR	1.2	:1, max.
Coupled Port VSWR	1.2	:1, max.
Forward Average Power	100	Watts, max.
Reverse Average Power	100	Watts, max.
Impedance	50	Ohms, nom'l.
Peak Power	2.5	kW, max (1μs, 2% duty)
Passive Intermodulation	UNSPEC'D.	2x +43 dBm, nom'l.

### MECHANICAL SPECIFICATIONS

R.F. Interface	SMA Female
Operating Temperature	-55 ~ +85 °C (Tested at +25°C)
Environment	Indoor use only.
Humidity	90%, Non-Condensing
Weight	9.4 oz. Nom'l.

# WERBEL MICROWAVE

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## 1CN9512-30

## Directional Coupler

Connectors	Brass, Soccuplate
Contact Pins	Beryllium Copper, Silver Plate
Insulators	PTFE
Housing	Aluminum, RoHS Chemical Conversion
Finish	Optional / Specify

REV	DESCRIPTION	ENG.	DATE
0	Engineering release.	ETW	9/ 6/2016

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.