



ELECTRICAL SPECIFICATIONS

Frequency Range	2 - 18	GHz
Coupling Tolerance	20 ± 1.50	dB, nom'l.
Flatness (Sensitivity)	± 1.00	dB, max.
Directionality	10	dB, min.
Main Line Insertion Loss	1.6	dB, max.
Main Line VSWR	1.5	:1, max.
Coupled Port VSWR	1.5	:1, max.
Forward Average Power	30	Watts, max.
Reverse Average Power	30	Watts, max.
Impedance	50	Ohms, nom'l.
Peak Power	2	kW, max (2% duty)

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	2.3 oz. Nom'l.

WERBEL MICROWAVE

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1CSX518-20

Directional Coupler

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

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.