



ELECTRICAL SPECIFICATIONS

Frequency Range	0.5 ~ 18 GHz	
Coupling Tolerance	10 ± 1.25 dB	Nom'l.
Flatness (Sensitivity)	± 1.00 dB	Max.
Directionality	10 dB	Min.
Main Line Insertion Loss	1.8 dB	Max.
Main Line VSWR	1.50:1	Max.
Coupled Port VSWR	1.50:1	Max.
Forward Average Power	30 Watts	Max.
Reverse Average Power	7.5 Watts	Max.
Peak Power	2 Kilowatts	Max. (1 μsec)
Impedance	50 Ohms	Nom'l.
Passive Intermodulation	UNSPECIFIED	

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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1CSX518-10

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/ 9/2017

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.