



ELECTRICAL SPECIFICATIONS

Frequency Range	0.5 ~ 6.0	GHz
Coupling Tolerance	10 ± 1.25	dB, nom'l.
Flatness (Sensitivity)	± 0.7	dB, max.
Directionality	18	dB, min.
Main Line Insertion Loss	1.3	dB, max.
Main Line VSWR	1.25	:1, max.
Coupled Port VSWR	1.30	:1, max.
Forward Average Power	30	Watts, max.
Reverse Average Power	6	Watts, max.
Impedance	50	Ohms, nom'l.
Peak Power	2	kW, max (1μs, 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	2.3 oz. Nom'l.

WERBEL MICROWAVE

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1CSX506-10

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	1/22/2017

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.