



ELECTRICAL SPECIFICATIONS

Frequency Range	0.5 ~ 6.0	GHz
Coupling Tolerance	20 ± 1.25	dB, nom'l.
Flatness (Sensitivity)	± 0.8	dB, max.
Directionality	18	dB, min.
Main Line Insertion Loss	1.1	dB, max.
Main Line VSWR	1.25	:1, max.
Coupled Port VSWR	1.30	:1, max.
Forward Average Power	50	Watts, max.
Reverse Average Power	25	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

622 State Hwy. 10 West, Unit 9, Whippany, New Jersey, 07981
 Sales@WerbelMicrowave.com

Tel. (973) 515-3001 ~ FAX (973) 515-3004
 http://www.WerbelMicrowave.com CAGE Code: 78YZ0

1CSX506-20

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.