



**ELECTRICAL SPECIFICATIONS**

Frequency Range	6 ~ 18 GHz	
Coupling Tolerance	20 ± 1.25 dB	Nom'l.
Flatness (Sensitivity)	± 1.00 dB	Max.
Directionality	10 dB	Min.
Main Line Insertion Loss	0.5 dB	Max.
Main Line VSWR	1.40:1	Max.
Coupled Port VSWR	1.40:1	Max.
Forward Average Power	30 Watts	Max.
Reverse Average Power	10 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	1 oz. Nom'l.

**WERBEL MICROWAVE**

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**1CS0618-20**

**Directional Coupler**

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

REV	DESCRIPTION	ENG.	DATE
0	Engineering release.	ETW	2/12/2017

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.