



ELECTRICAL SPECIFICATIONS

| | | |
|--------------------------|--------------|--------------------|
| Frequency Range | 2 ~ 8 GHz | |
| Coupling Tolerance | 30 ± 1.50 dB | Nom'l. |
| Flatness (Sensitivity) | ± 1.25 dB | Max. |
| Directionality | 15 dB | Min. |
| Main Line Insertion Loss | 0.6 dB | Max. |
| Main Line VSWR | 1.40:1 | Max. |
| Coupled Port VSWR | 1.40:1 | Max. |
| Forward Average Power | 25 Watts | Max. |
| Reverse Average Power | 25 Watts | Max. |
| Peak Power | UNSPECIFIED | Max. (1 μsec 2%DC) |
| 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 | 1.4 oz. Nom'l. |

WERBEL MICROWAVE

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1CS0208-30

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 | 2/ 5/2017 |

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.