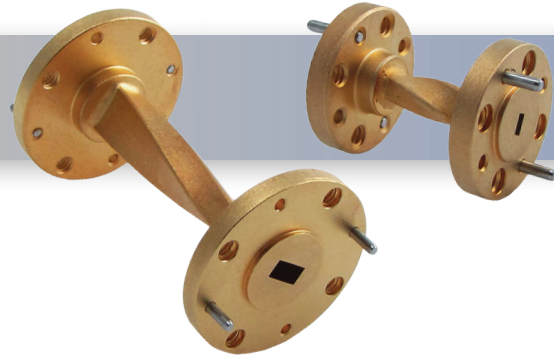


Part No:

# HWTW15-1-ER



## *WR-15 Millimeter Waveguide 90° Twist, 1 Inch 50 GHz to 75 GHz, V-Band*

The HASCO WR-15 Millimeter Waveguide 90° Twist **HWTW15-1-ER** operates from 50 GHz to 75 GHz. This WR-15, V-Band waveguide 90° Twist is constructed with a Round UG-385/U Flange.

HASCO rectangular waveguides are manufactured from brass, OFHC copper, aluminum or coin silver. Waveguides have significant advantages over coaxial transmission in power handling, insertion loss and signal integrity (leakage and electromagnetic interference - EMI).

HASCO offers a series of millimeter waveguide straight sections, E-Bends, H-Bends and 90° Twists. Anti-cocking flanges available if required. All are available in standard and custom lengths covering the waveguide sizes WR-3, WR-4, WR-5, WR-6, WR-8, WR-10, WR-12, WR-15, WR-19, WR-22, WR-28, WR-34 and WR-42. Square waveguide flanges are available in WR-22, WR-28, WR-34 and WR-42. Please contact HASCO for custom options.

### Specifications

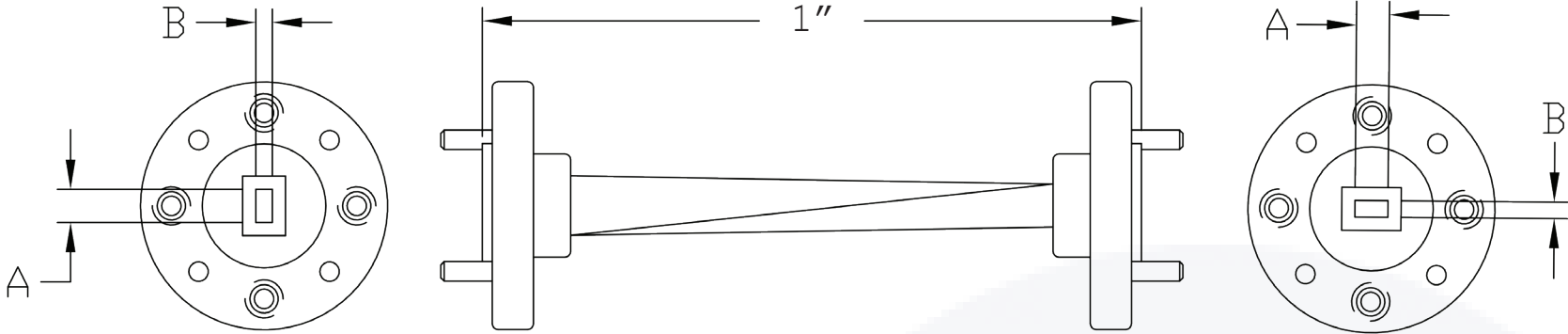
- Frequency Range 50 GHz to 75 GHz
- VSWR 1.03:1
- Impedance 50 Ohms
- Length 1 inch
- RF Ports WR-15 Waveguide with UG-385/U Flange

### Environmental Data

- Temperature Range 220°C Max

### Material

- Waveguide OFHC Copper
- Flange Round UG-385/U, Brass
- Finish Gold Plated per MIL-DTL-45204



| Part Number | WG Size | DIM A | DIM B  |
|-------------|---------|-------|--------|
| HWTW22-X-ER | WR-22   | 0.224 | 0.112  |
| HWTW19-X-ER | WR-19   | 0.188 | 0.094  |
| HWTW15-X-ER | WR-15   | 0.148 | 0.074  |
| HWTW12-X-ER | WR-12   | 0.122 | 0.061  |
| HWTW10-X-ER | WR-10   | 0.100 | 0.050  |
| HWTW08-X-ER | WR-08   | 0.080 | 0.040  |
| HWTW06-X-ER | WR-06   | 0.065 | 0.0325 |
| HWTW05-X-ER | WR-05   | 0.051 | 0.0255 |
| HWTW04-X-ER | WR-04   | 0.043 | 0.0215 |
| HWTW03-X-ER | WR-03   | 0.034 | 0.017  |

|                                       |             |       |       |  |                 |
|---------------------------------------|-------------|-------|-------|--|-----------------|
| LTR                                   | DESCRIPTION | DATE  | APPR. | CREATED BY: JMS  | CHECKED BY: TAC |
| -                                     | RELEASE     | 08/19 | TAC   | APPROVED BY: TAC   |                 |
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|                              |  |               |            |
|------------------------------|--|---------------|------------|
| MATERIALS:<br>SEE DATA SHEET | CAGE CODE:<br>0T8L4                        | SCALE:<br>N/A | SIZE:<br>A |
| FINISHES:<br>SEE DATA SHEET  | PART NO./DRAWING NO.<br><b>HWTW15-1-ER</b> |               | REV:<br>-  |