

# Double Ridge Waveguide - Formed Bends



## Double Ridge Waveguide - Formed Bends Description

- 3.5 - 40.0 GHz Performance Frequency
- 1.15 Typical VSWR (VSWR varies with design)
- Numerous Flange Configurations available
- Aluminum (6061) Waveguide Available
- Corrosion protection with flat black finish

All parts are painted flat black and flanges are polished, unplated and iridited.

### FLANGE TYPES

**C** = COVER STYLE

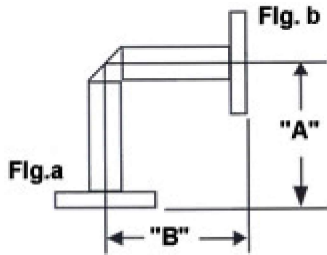
**G** = GASKET STYLE

### MOUNTING HOLES

- **1** =ALT. TAP & CLEAR

- **2** =ALL TAPPED

- **3** = ALL CLEAR



| WR SIZE | FREQ: GHZ   | MIN. inside radius<br>"E-BEND" | MIN. inside radius<br>"H-BEND" |
|---------|-------------|--------------------------------|--------------------------------|
| 180     | 18.0 - 40.0 | 1.0                            | 2.0                            |
| 110     | 11.0 - 26.5 | 1.0                            | 2.0                            |
| 750     | 7.50 - 18.0 | 1.50                           | 2.0                            |
| 650     | 6.5 - 18.0  | 1.50                           | 2.0                            |
| 580     | 5.80 - 16.0 | 1.50                           | 2.0                            |
| 475     | 4.75 - 11.0 | 2.0                            | 3.0                            |
| 350     | 3.50 - 8.20 | 3.0                            | 4.0                            |

**SAMPLE P/N: AMC-DREB-580-C3/C3-3.0X3.0-A**

| MODEL No. | W/G SIZE | FLNG<br>a+b | LEG DIM A+B | MATERIAL<br>A=Aluminum |
|-----------|----------|-------------|-------------|------------------------|
| AMC-DREB  | 580      | -C3/C3-     | -3.0x3.0-   | A                      |

The above referenced part number describes the following item: WRD580 "E" formed bend, cover flanges with clear holes, legs = 3.0" each, made of aluminum. All bends are 90 degree, other degrees available upon request. Note: All AMC models include an iridite/corrosion protection treatment and are painted flat black. Flanges are unplated, iridited and polished. For other finishes, material, or paint color requirements, please specify.