

## Isoadaptors

All catalog part numbers are for devices with clockwise rotation, however, counter-clockwise rotation is available by request. Encapsulation is available on some designs for high peak power and high altitude capability. Contact our Customer Service Representatives for special performance and unique mechanical configurations. We have many other designs not listed here on our website as we develop new designs almost on a daily basis.

### WR137

| Frequency Range (GHz) | Isolation (Min) (-dB) | Insertion Loss (Max) (-dB) | VSWR (Max) | * Operating Temperature °C | ** Port Configuration and rotation | Mating Flange | Dimensions (in x in x in) | Part Number    | Outline Drawing | Notes |
|-----------------------|-----------------------|----------------------------|------------|----------------------------|------------------------------------|---------------|---------------------------|----------------|-----------------|-------|
| 5.800 - 7.125         | N/A                   | 0.30                       | 1.15       | -20 to +55                 | WG-SF-SF                           | CMR-137       | 2.28 x 1.53 x 2.27        | 994-109045-004 | I01             |       |
| 5.800 - 7.125         | 23                    | 0.30                       | 1.15       | -20 to +55                 | WG-SF-T                            | CMR-137       | 2.28 x 1.53 x 2.27        | 994-109045-005 | I01             |       |

### WR90

| Frequency Range (GHz) | Isolation (Min) (-dB) | Insertion Loss (Max) (-dB) | VSWR (Max) | * Operating Temperature °C | ** Port Configuration and rotation | Mating Flange | Dimensions (in x in x in) | Part Number    | Outline Drawing | Notes |
|-----------------------|-----------------------|----------------------------|------------|----------------------------|------------------------------------|---------------|---------------------------|----------------|-----------------|-------|
| 10.0 - 11.0           | N/A                   | 0.30                       | 1.22/1.15  | -30 to +55                 | SF-WG-SF                           | UG39/U        | 1.62 x 1.62 x 1.88        | 994-106323-003 | I02             | 1     |
| 10.0 - 11.0           | 20                    | 0.30                       | 1.22/1.15  | -30 to +55                 | WG-SF-T                            | UG39/U        | 1.62 x 1.62 x 1.88        | 994-106323-004 | I02             | 2     |

### WR62

| Frequency Range (GHz) | Isolation (Min) (-dB) | Insertion Loss (Max) (-dB) | VSWR (Max) | * Operating Temperature °C | ** Port Configuration and rotation | Mating Flange | Dimensions (in x in x in) | Part Number    | Outline Drawing | Notes |
|-----------------------|-----------------------|----------------------------|------------|----------------------------|------------------------------------|---------------|---------------------------|----------------|-----------------|-------|
| 12.7 - 15.0           | 20                    | 0.50                       | 1.25       | -20 to +65                 | SF-WG-T                            | UG419/U       | 1.32 x 1.32 x 1.50        | 994-037414-011 | I03             |       |
| 12.75 - 13.25         | 20                    | 0.50                       | 1.15       | -20 to +65                 | SF-WG-T                            | UG419/U       | 1.32 x 1.32 x 1.50        | 994-037414-010 | I03             |       |
| 13.7 - 14.8           | 20                    | 0.50                       | 1.15       | -20 to +65                 | SF-WG-T                            | UG419/U       | 1.32 x 1.32 x 1.50        | 994-037414-012 | I03             |       |
| 13.7 - 14.8           | 20                    | 0.50                       | 1.15       | -20 to +65                 | WG-SF-T                            | UG419/U       | 1.32 x 1.32 x 1.50        | 994-037414-008 | I03             |       |
| 14.0 - 14.5           | 20                    | 0.50                       | 1.15       | -20 to +65                 | SF-WG-T                            | UG419/U       | 1.32 x 1.32 x 1.50        | 994-037628-003 | I03             |       |
| 17.25 - 18.45         | 20                    | 0.50                       | 1.22       | 0 to +50                   | WG-SF-T                            | UG419/U       | 1.32 x 1.32 x 1.09        | 994-037982-010 | I04             |       |
| 17.3 - 18.1           | 20                    | 0.50                       | 1.17       | -20 to +65                 | WG-SF-T                            | UG419/U       | 1.32 x 1.32 x 1.50        | 994-037982-008 | I04             |       |
| 17.3 - 18.1           | 20                    | 0.50                       | 1.17       | -20 to +65                 | SF-WG-T                            | UG419/U       | 1.32 x 1.32 x 1.50        | 994-037982-009 | I04             |       |

## NOTES

- 1: VSWR on Port 2 is 1.15:1, and on Ports 1 and 3 is 1.22:1
- 2: VSWR on Input Port is 1.15:1, and on Output Port is 1.22:1

\* Case Temperature Not To Exceed Operating Temperature

\*\* SF = Female SMA WG = Waveguide Port T = Termination