

## QWCA-10-M1

### WR-10 to NMD1.0mm

Features:  
\* Low VSWR

Applications:  
\* Wireless  
\* Transmitter  
\* Laboratory Test  
\* Radar

#### Electrical

Frequency: 75~110GHz  
VSWR: 1.35 max.  
Insertion Loss: 0.5dB max.  
Impedance: 50Ω

#### Mechanical

RF Connectors: NMD1.0mm  
Interface: WR-10  
Flange: UG-387/U  
Waveguide Material: Gold plated brass  
Outer Conductor: Passivated stainless steel  
Inner Conductor: Gold plated beryllium copper

#### Environmental

Temperature: -55~+125°C

#### How To Order

**QWCA-10-X-Y-Z**

X: Connector type.

Y: Configuration type.

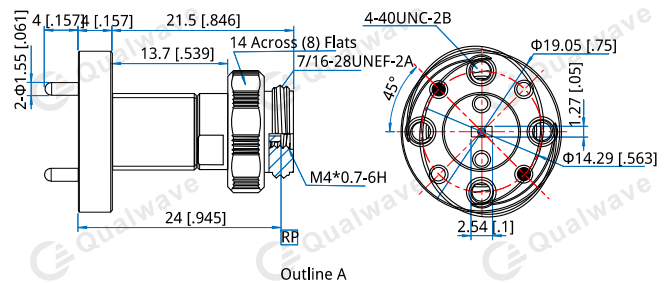
Z : Flange type if applicable.

Connector naming rules:

M1 - NMD1.0mm Male (Outline A)

M1F - NMD1.0mm Female

#### Outline Drawings



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Configuration naming rules:

E - End launch (Outline A)

R - Right angle

Flange naming rules:

7 - UG-387/U (Outline A)

Examples:

To order a waveguide to coax adapter, WR-10 to NMD1.0mm male, end launch, UG-387/U, specify QWCA-10-M1-E-7.

Customization is available upon request.