

## NCT4002

### DC~40GHz, 2W

Features:  
 \* Low VSWR  
 \* Broadband

Applications:  
 \* Transmitters  
 \* Antennas  
 \* Laboratory Test  
 \* Impedance Matching



### Electrical

Frequency Range: DC~40GHz  
 Average Power<sup>+1</sup>: 2W  
 Impedance: 50Ω  
 VSWR: 1.35 max.

[1] Derated linearly to 0.1W@120°C.

### Mechanical

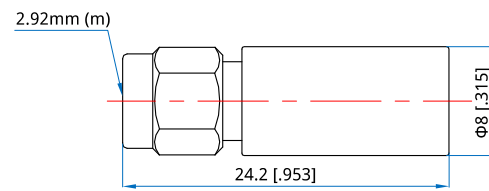
Size<sup>+2</sup>: Φ8\*24.2mm  
 Φ0.315\*0.953in  
 Size<sup>+3</sup>: Φ8\*22.2mm  
 Φ0.315\*0.874in  
 Weight: 5g  
 Connectors: 2.92mm  
 Housing: Aluminum  
 Outer Conductor: Gold Plated Brass or Stainless Steel  
 Male Inner Conductor: Gold Plated Brass  
 Female Inner Conductor: Gold Plated Beryllium Copper

[2] 2.92mm male.  
 [3] 2.92mm female.

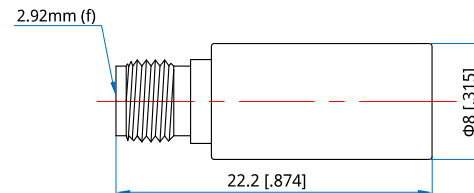
### Environmental

Temperature: -55~+125°C

### Outline Drawings



Outline A



Outline B

Unit: mm [in]  
 Tolerance: ±0.2mm [±0.008in]

### How To Order

**NCT4002-X-Y**  
 X: Frequency in GHz  
 Y: Connector type

Connector naming rules:  
 K - 2.92mm male (Outline A)  
 KF - 2.92mm female (Outline B)

### Examples:

To order a termination, DC-40GHz, 2.92mm male, specify NCT4002-40-K.

Customization is available upon request.