

### NCT4050

DC~40GHz, 50W

Features:  
 \* Low VSWR  
 \* Broadband

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



#### Electrical

Frequency Range: DC~40GHz  
 Average Power<sup>\*1</sup>: 50W@25°C max.  
 VSWR: 1.35 max.  
 Impedance: 50Ω

[1] Derated linearly to 2.5W@120°C.

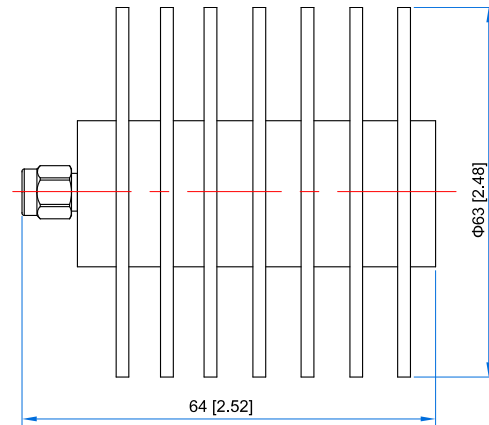
#### Mechanical

Connector: 2.92mm  
 Size: Φ63\*64mm  
           Φ2.48\*2.52in  
 Weight: 168g  
 Housing: Aluminum  
 Outer Conductor: Gold plated brass or stainless steel  
 Male Inner Conductor: Gold plated brass  
 Female Inner Conductor: Gold plated beryllium copper

#### Environmental

Temperature: -55~+125°C

#### Outline Drawings



Unit: mm [in]  
 Tolerance: ±0.5mm [±0.02in]

#### How To Order

**NCT4050-X-Y**  
 X: Frequency in GHz  
 Y: Connector type

Connector naming rules:  
 K - 2.92mm male  
 KF - 2.92mm female

#### Examples:

To order a termination, DC-40GHz, 2.92 male, specify NCT4050-40-K.

Customization is available upon request.