

# QCT5002

## DC~50GHz, 2W

Features:  
 \* Low VSWR  
 \* Broadband

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

### Electrical

Frequency Range:	DC~50GHz
Average Power <sup>*1</sup> :	2W
Impedance:	50Ω
VSWR:	1.2 max. (DC~40GHz) 1.25 max. (DC~50GHz)

[1] Derated linearly to 0.1W@120°C.

### Mechanical

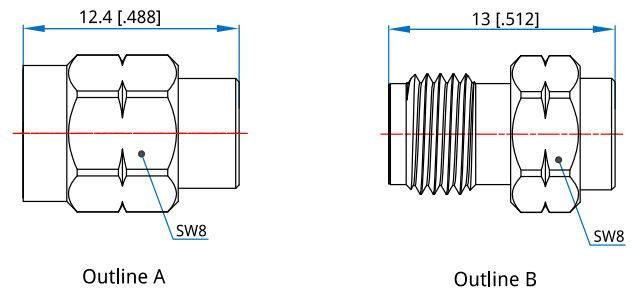
Length <sup>*2</sup> :	12.4mm 0.488in
Length <sup>*3</sup> :	13mm 0.512in
Connectors:	2.4mm
Outer Conductor:	Passivated stainless steel
Inner Conductor:	Gold plated beryllium copper
Dielectric:	PEI

[2] 2.4mm male.  
 [3] 2.4mm female.

### Environmental

Temperature:	-55~+125°C
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### Outline Drawings



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

### How To Order

#### QCT5002-X-Y

X: Frequency in GHz  
 Y: Connector type

Connector naming rules:  
 2 - 2.4mm male (Outline A)  
 2F - 2.4mm female (Outline B)

Examples:  
 To order a termination, DC-50GHz, 2.4mm male, specify QCT5002-50-2.

Customization is available upon request.