

# QCT11001

## DC~110GHz, 1W

Features:  
 \* Low VSWR  
 \* Broadband

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

### Electrical

Frequency Range:	DC~110GHz
Average Power <sup>*1</sup> :	1W@25°C max.
VSWR:	1.6 max.
Impedance:	50Ω
Peak Power:	5W (5μS pulse width, 1% duty cycle)

[1] Derated linearly to 0.1W@125°C.

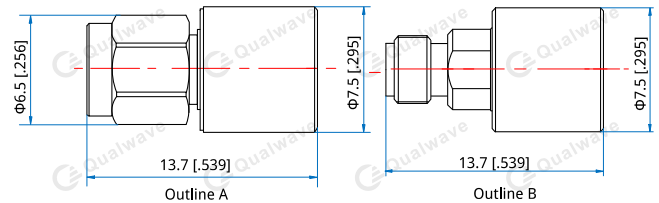
### Mechanical

Connector:	1.0mm
Outer Conductor:	Stainless Steel Passivation
Dielectric:	PEI
Male Inner Conductor:	Gold plated brass
Female Inner Conductor:	Gold plated beryllium copper

### Environmental

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



Unit: mm [in]  
 Tolerance: ±2mm [±0.08in]

### How To Order

**QCT11001-X-Y**  
 X: Frequency in GHz  
 Y: Connector type

Connector naming rules:  
 1 - 1.0mm male (Outline A)  
 1F - 1.0mm female (Outline B)

Examples:  
 To order a termination, DC~110GHz, 1.0mm male, specify QCT11001-110-1.

Customization is available upon request.