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Agilent K281C
Coaxial Waveguide Adapter

18 to 26.5 GHz

Technical Overview

Key Features

- Bi-directional, power can be transmitted in either direction.
- Excellent repeatability.
- Measurement versatility

Agilent K281C coaxial waveguide adapter provides a convenient way of coupling between waveguide and coaxial systems. Power can be transmitted in either direction and each adapter covers the full frequency range of its waveguide size. A step-like internal structure transforms the waveguide impedance to the 50 Ω impedance of the coaxial line.

Specifications:

Specifications describe the product's warranted performance. Supplemental and typical characteristics are intended to provide typical but non-warranted performance parameters. These are denoted as "typical", "nominal" or "approximate".

Model number	K281C
Frequency range	18 to 26.5 GHz
Maximum SWR	1.07
Coaxial connector	3.5 mm (f) Option 012: 3.5 mm (m)

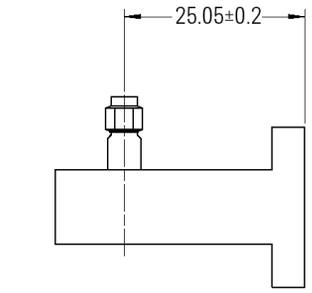
Supplemental Characteristics:

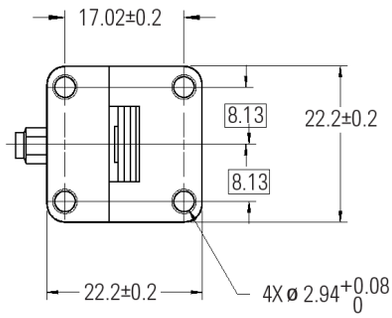
Waveguide[1] designator	*EIA: WR-42* *MIL-W-85/: 1-103*
Flange[1] designator	*UG-: 597/U* *MIL-F-3922/:54C-002*

[1] The Waveguide/Flange Designator is provided to determine interface dimensions and generic material of Agilent products.

Physical Dimensions:

Shipping Weight: 0.5 kg (1.1 lb)





Ordering Information:

K281C 18 to 26.5 GHz coaxial waveguide adapter

- Option 012 3.5 mm (male) connector

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Product specifications and descriptions in this document subject to change without notice.

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