# Waveguide to Coax In-Line Adapter Model T42-KI

### **Description:**

Spacek Labs model T42-KI is a K-Band waveguide to coaxial in-line transition or adapter. The T42-KI covers the K-Band spectrum from 18 to 26.5 GHz with a typical insertion loss of 0.25 dB (typ). The maximum VSWR is 1.4:1. This transition can be used to adapt a component or system from WR-42 (UG597/U) waveguide to the 2.92mm (K) coaxial connector or vice versa.

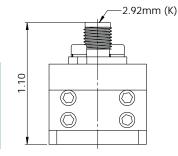


#### Features:

- Can be tuned to meet your specific bandwidth requirements
- MIL-spec or space-qualified units available.

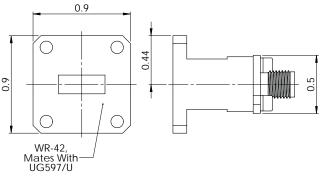
## **Electrical Specifications:**

Description	Min.	Тур.	Max.
Frequency Range	18 GHz	-	26.5 GHz
VSWR	-	1.25:1	1.4:1
Insertion Loss	-	0.25 dB	-



## **Mechanical Specifications:**

Description	Specification	
Connectors I/O	WR-42/2.92mm (K)	
Dimensions OA	See outline	
Material	Brass	
Finish	Gold Plate	
Weight	2.0 oz	



**OUTLINE**: Dimensions in inches (Not to scale)

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Notes: Product data is periodically updated to reflect product / raw material / process / testing changes. This data should not be used as guaranteed specifications. Please contact Spacek Labs to make sure you have the most current data.