# Waveguide to Coax 90° Adapter Model T81-W

## **Description:**

Spacek Labs model T81-W is a E-Band waveguide to coaxial 90° transition or adapter. The T81-W covers the E-Band spectrum from 71 to 86 GHz with a typical insertion loss of 0.8 dB (typ). The maximum VSWR is 1.45:1. This transition can be used to adapt a component or system from WR-12 (UG387/U) waveguide to the 1.0mm (W) coaxial connector or vice versa.

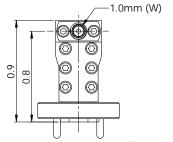


#### Features:

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

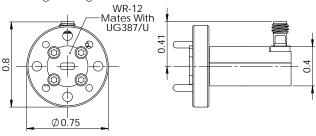
## **Electrical Specifications:**

Description	Min.	Тур.	Max.
Frequency Range	71 GHz	-	86 GHz
VSWR	-	1.25:1	1.45:1
Insertion Loss	-	0.8 dB	-



## **Mechanical Specifications:**

Description	Specification	
Connectors I/O	WR-12/1.0mm (W)	
Dimensions OA	See outline	
Material	Aluminum	
Finish	Irridite	
Weight	0.3 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.

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