

# WAVEGUIDE-SPLICES

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## Base Product



Elliptical waveguide splice kit

**Waveguide connectors** are tapered through multistep transitions that adjust their shape in stages from elliptical to the rectangular shape of industry-standard waveguide flanges. Each connector has a pressure inlet to allow the connection of pressurization equipment. Made of brass to provide long service life and compatibility with metals used in the waveguide itself.

Offered connector types:

- Fixed-tuned waveguide connectors
- Waveguide splices

## Product Classification

**Product Type** Elliptical waveguide splice kit

## General Specifications

<b>Attachment Method</b>	Tab-flare   Tool-flare
<b>Body Style</b>	Splice
<b>Inner Contact Plating</b>	Unplated
<b>Interface</b>	Splice
<b>Outer Contact Plating</b>	Unplated
<b>Pressurizable</b>	Yes

## Electrical Specifications

<b>Insertion Loss, typical</b>	0.01 dB
<b>Operating Frequency Band</b>	1.9 – 2.7 GHz   11.7 – 13.25 GHz   14.0 – 15.35 GHz   17.7 – 19.7 GHz   21.2 – 23.6 GHz   24.0 – 26.5 GHz   3.1 – 4.2 GHz   3.3 – 4.3 GHz   4.4 – 5.0 GHz   5.30 – 7.75 GHz   5.6 – 6.425 GHz   5.850 – 7.125 GHz   6.100 – 8.5 GHz   8.3 – 11.7 GHz   8.5 – 9.8 GHz

## Material Specifications

**Material Type** Brass

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## Environmental Specifications

**Operating Temperature** -55 °C to +85 °C (-67 °F to +185 °F)

**Storage Temperature** -55 °C to +85 °C (-67 °F to +185 °F)

## \* Footnotes

**Insertion Loss, typical**  $0.05\sqrt{\text{freq}}$  (GHz) (not applicable for elliptical waveguide)