

WAVEGUIDE-SPLICES



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

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

Electrical Specifications

Insertion Loss, typical	0.01 dB
Operating Frequency Band	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)