

Fixed-tuned PDR70 for elliptical waveguide 77



Product Classification

Product Type Elliptical waveguide connector

General Specifications

Attachment Method	Tab-flare Tool-flare
Body Style	Straight, fixed-tuned
Inner Contact Plating	Unplated
Interface	PDR70
Outer Contact Plating	Unplated
Pressurizable	Yes

Dimensions

Width	88.392 mm 3.48 in
Length	112.522 mm 4.43 in
Transition Length	75.438 mm 2.97 in
Waveguide Size	WR137 WG14 R70

Electrical Specifications

Insertion Loss, typical	0.01 dB
Operating Frequency Band	7.125 – 8.5 GHz
Peak Power at Frequency, maximum	92.00 kW @ 6.00 GHz

Material Specifications

Material Type Brass

Environmental Specifications

277SEM

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

Packaging and Weights

Weight, net	1.3 kg 2.866 lb
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Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



* Footnotes

Insertion Loss, typical	0.05√freq (GHz) (not applicable for elliptical waveguide)
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