

## Fixed-tuned PDR70 for elliptical waveguide 77



### Product Classification

<b>Product Type</b>	Elliptical waveguide connector
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### General Specifications

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

### Dimensions

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

### Electrical Specifications

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

### Material Specifications

<b>Material Type</b>	Brass
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### Environmental Specifications

# 277SEM

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**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

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system



## \* Footnotes

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