

## Fixed-tuned PDR70 for elliptical waveguide 52



### 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>	88.9 mm   3.5 in
<b>Length</b>	114.554 mm   4.51 in
<b>Transition Length</b>	75.692 mm   2.98 in
<b>Waveguide Size</b>	WR137   WG14   R70

### Electrical Specifications

<b>Insertion Loss, typical</b>	0.01 dB
<b>Operating Frequency Band</b>	5.0 – 6.425 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

# 252SEM

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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** 1.8 kg | 3.968 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)