

# 252SE

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Fixed-tuned CPR137G for elliptical waveguide 52

## 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** CPR137G

**Outer Contact Plating** Unplated

**Pressurizable** Yes

## Dimensions

**Width** 88.9 mm | 3.5 in

**Length** 114.554 mm | 4.51 in

**Transition Length** 75.692 mm | 2.98 in

**Waveguide Size** WR137 | WG14 | R70

## Electrical Specifications

**Insertion Loss, typical** 0.01 dB

**Operating Frequency Band** 5.0 – 6.425 GHz

**Peak Power at Frequency, maximum** 92.00 kW @ 6.00 GHz

## Material Specifications

**Material Type** Brass

## 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)

## Packaging and Weights

**Weight, net** 1.8 kg | 3.968 lb

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## Regulatory Compliance/Certifications

| Agency        | Classification                                                                                                                 |
|---------------|--------------------------------------------------------------------------------------------------------------------------------|
| CHINA-ROHS    | Below maximum concentration value                                                                                              |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system                                                 |
| REACH-SVHC    | Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a> |
| ROHS          | Compliant                                                                                                                      |



### \* Footnotes

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