

Fixed-tuned PDR70 for elliptical waveguide 63

| 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 | 85.852 mm 3.38 in |
| Length | 85.344 mm 3.36 in |
| Transition Length | 52.832 mm 2.08 in |
| Waveguide Size | WR137 WG14 R70 |
| Electrical Specifications | |
| Insertion Loss, typical | 0.01 dB |
| Operating Frequency Band | 5.725 – 7.125 GHz |
| Peak Power at Frequency, maximum | 102.00 kW @ 6.78 GHz |
| Material Specifications | |

Material Type

Brass

Page 1 of 2

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: September 1, 2023



163SEM

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

1.7 kg | 3.748 lb

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 www.commscope.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |
| | |



* Footnotes

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

Page 2 of 2

©2024 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: September 1, 2023

