

### 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
Matorial Specifications	

Material Specifications

Material Type

Brass

Page 1 of 2

©2020 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope. All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: December 8, 2020



# 277SEM

### **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

1.3 kg | 2.866 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



9001.2015

**Insertion Loss, typical** 0.05v<sup>-</sup>freq (GHz) (not applicable for elliptical waveguide)

Page 2 of 2

©2020 CommScope, Inc. All rights reserved. All trademarks identified by ® or <sup>™</sup> are registered trademarks, respectively, of CommScope. All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: December 8, 2020

