177SEM



Fixed-tuned PDR84 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	PDR84	
Outer Contact Plating	Unplated	
Pressurizable	Yes	
Dimensions		
Width	88.392 mm 3.48 in	
Length	92.202 mm 3.63 in	
Transition Length	55.118 mm 2.17 in	
Waveguide Size	WR112 WG15 R84	
Electrical Specifications		
Insertion Loss, typical	0.01 dB	
Operating Frequency Band	7.125 – 8.5 GHz	
Peak Power at Frequency, maximum	63.00 kW @ 7.80 GHz	
Material Specifications		
Material Type	Brass	

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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

1.4 kg | 3.086 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⁻freq (GHz) (not applicable for elliptical waveguide)

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