



Non-tunable PDR40 for elliptical waveguide 37

OBSOLETE

Replaced By

137SEM

Fixed-tuned PDR40 for elliptical waveguide 37

Product Classification

| | |
|---------------------|--------------------------------|
| Brand | HELIAX® |
| Product Type | Elliptical waveguide connector |

General Specifications

| | |
|-----------------------|-----------------------|
| Interface | PDR40 |
| Waveguide Size | WR229 WG11 R40 |
| Body Style | Straight, non-tunable |
| Material Type | Brass |

Electrical Specifications

| | |
|---|----------------------|
| Operating Frequency Band | 3.4 – 4.2 GHz |
| Insertion Loss, typical | 0.01 dB |
| Peak Power, maximum at Frequency | 309.00 kW @ 4.00 GHz |

Mechanical Specifications

| | |
|------------------------------|------------------------|
| Attachment Method | Tab-flare Tool-flare |
| Inner Contact Plating | Unplated |
| Outer Contact Plating | Unplated |
| Pressurizable | Yes |

Dimensions

| | |
|--------------------------|---------------------|
| Length | 165.61 mm 6.52 in |
| Transition Length | 108.20 mm 4.26 in |
| Weight | 3.00 kg 6.61 lb |
| Width | 117.60 mm 4.63 in |

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)

* Footnotes

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