



Features

- Produce right-hand or left-hand circular polarization from a linearly-polarised input
- Operates at relatively high power
- Models from 3.94 GHz to 173 GHz

Applications

- Suitable for conversion between linear and circular polarisation for transmission and reception via a horn antenna.

Specifications

Each polariser is optimised for the frequency band of interest. Designs are generally suitable for use up to about a third of a waveguide band. They can handle average power up to the capability of straight waveguide of the same size. Requires circular waveguide interface at each port. Transitions from rectangular to circular waveguide are available from Flann and can be supplied with the corrugated polariser as a single assembly.

Flanges can be arranged to allow the corrugated polariser to be manually positioned for either right-hand or left-hand circular polarisation.

Related Products

Series 648: Dielectric Polariser

Series 652: Switchable Dielectric Polarisers

Relevant Supporting Products

643: Rectangular to circular transition, may be used with these polarisers

243, 810, 820, 880: Horn Antennas

Custom Design

Custom built instruments can be supplied; Please contact the Sales Team for more information

sales@flann.com



Ordering Information

Model	Series	-	Flange
WG12 – WG29	651		See flann.com

Environmental Specification

Ambient operating temperature: TBA