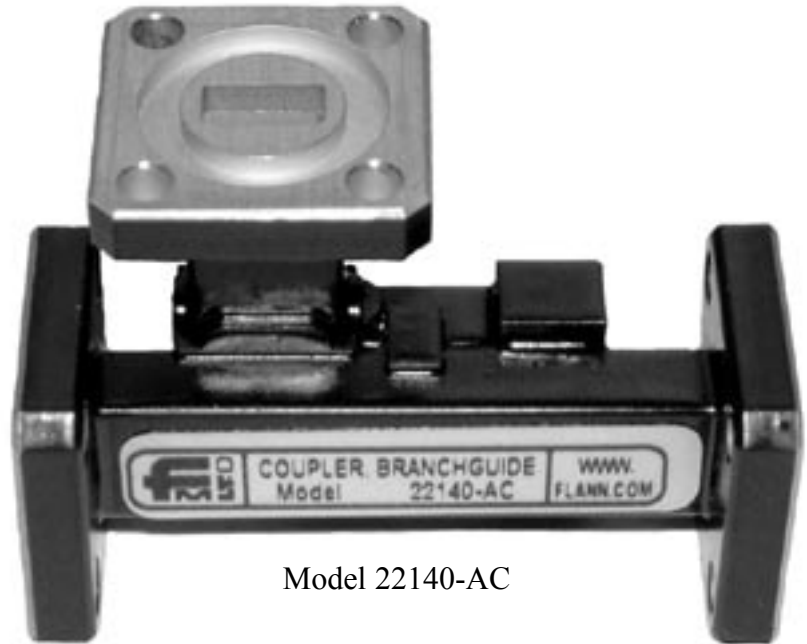


High Power Branchguide Directional Couplers

Features

- **Example 20 kW peak at 30 to 39 GHz**
- **30 % Bandwidth**
- **Compact**
- **Robust**
- **Models up to 50GHz**



Model 22140-AC

To provide the compactness of a crossguide coupler but with greater power handling capability, Flann have developed a special branchguide coupler design.

Evaluation has shown the coupler to be able to handle a pulsed signal of 11kW peak through the main arm with no degradation over time.

The 20dB coupler illustrated above has been manufactured in WG22 (WR28) and is capable of operating over a

30% bandwidth. Modelling shows the couplers ability to handle the maximum peak power that can be passed through this waveguide size without degradation. (20kW peak for WG22, WR28)

Model	Frequency (GHz)	Coupling (dB)	Directivity (dB)
22140 - AC	30 - 39	20	20