

Double Ridge Couplers Series WRD131

Features

- **Directivity > 40 dB - a new industry standard**
- **Flat Coupling Response**
- **Models up to 40 GHz**
- **Coupling values from 10 dB to 50 dB**



Flann has developed a new range of double ridge multihole coupler for standard double ridge waveguide sizes and tailored to any special bandwidth requirements.

Our unique design of the coupler array combined with precision machining practice provides better than 40 dB directivity full band with typical directivities better than 45 dB achieved.

Flann is now able to provide a service to make any standard or non-standard type of coupler within the constraints of commercial viability.

We are now able to offer the industry's only 40 dB directivity coupler with a full band coupling flatness of less than +/-1 dB.

All double ridge couplers are available in nominal coupling values from 10 dB to 50 dB.

Specifications:

Model	Frequency Range (GHz)	Waveguide Size	Minimum Directivity dB	Nominal Coupling Accuracy	Coupling Sensitivity ± dB	Primary Arm VSWR (better than)	Secondary VSWR (better than)
WRD200131	2.0 - 4.8	WRD200D24	40	0.8	1.0	1.06	1.35
WRD350131	3.5 - 8.2	WRD350D24	40	0.8	1.0	1.06	1.35
WRD475131	4.75 - 11.0	WRD475D24	40	0.8	1.0	1.06	1.35
WRD580131	5.8 - 16.0	WRD580D28	40	0.8	1.0	1.06	1.35
WRD650131	6.5 - 18.0	WRD650D28	40	0.8	1.0	1.06	1.35
WRD750131	7.5 - 18.0	WRD750D24	40	0.8	1.0	1.06	1.35
WRD110131	11.0 - 26.5	WRD110C24	35	0.8	1.0	1.1	1.35
WRD180131	18.0 - 40.0	WRD180C24	35	0.8	1.0	1.1	1.35

Options Include:

- **Higher Directivity**
- **Ultra Flat Coupling**
- **Improved Secondary Arm VSWR**
- **SMA and N Type Connectors**

ORDERING INFORMATION

Model: Coupling value suffix; description
 Example Model WRD650131-10 Double ridge multihole coupler, 10 dB coupling, 40 dB directivity

Please contact our Sales Team for more details.

Series WRD131