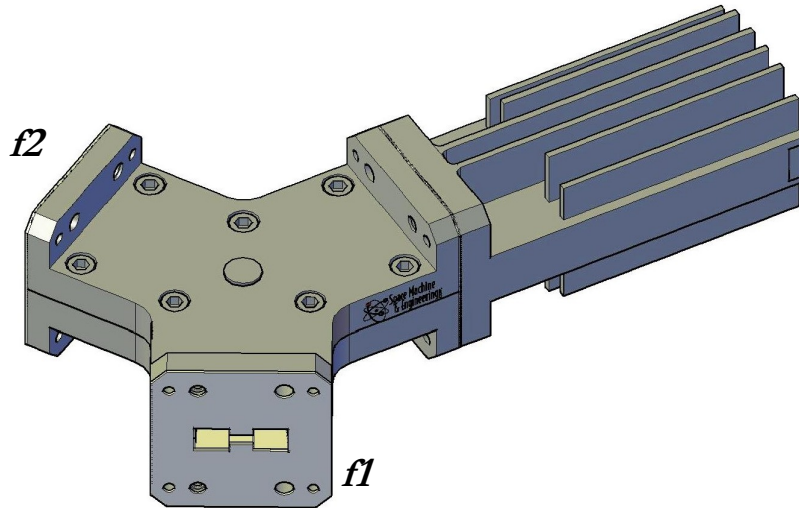


Double Ridge Waveguide Isolators



Model	WRD #	Frequency (GHz)	Isolation (dB)	Insertion Loss (dB) Max.	VSWR	Maximum Average Power (W)	Maximum Peak Power (KW)
DFI580	580	8.00 - 18.00	15	0.5	1.35:1	250	2
DFI650	650	8.00 - 18.00	15	0.5	1.45:1	250	2
DFI750	750	8.00 - 18.00	15	0.5	1.40:1	250	2

Space Machine & Engineering offers a standard product line of double ridge ferrite isolators. These isolators are permanent magnet 3 port devices that use a Y-junction structure housed in standard double ridge waveguide with one addition of a matched termination. Greater isolation, better insertion loss and VSWR are achievable with reduced bandwidths. Please specify required bandwidth and pressurization requirements when ordering. Additional sizes and configurations are available upon request.

Ordering Information:

**Double Ridge Isolator,
WRD650, Aluminum, Cover Flanges,
Chromated, Paint Heat Resistant Flat Black.**

Example part number:

<u>DFI</u>	<u>wrd</u>	<u>-m</u>	<u>f1</u>	<u>f2</u>	<u>-p</u>	<u>f</u>
DFI	650	-A	01	01	-C	O

Series (DFI):

Waveguide Size (wrd): WRD580 thru WRD750

Material (-m): A – Aluminum

Flange (f1 f2): See [Appendix H](#)

Plating (-p): C – Chromate

Finish (f): N – None, O – Heat Resistant Flat Black