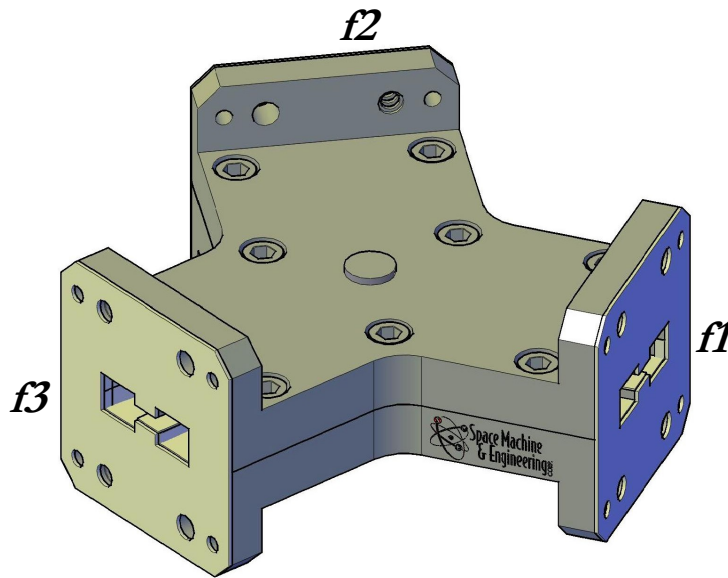


## Double Ridge Waveguide Circulators



Model	WRD #	Frequency (GHz)	Isolation (dB)	Insertion Loss (dB) Max.	VSWR	Maximum Average Power (W)	Maximum Peak Power (KW)
DFC580	580	8.00 - 18.00	15	0.5	1.35:1	250	2
DFC650	650	8.00 - 18.00	15	0.5	1.45:1	250	2
DFC750	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 Circulators. These circulators are permanent magnet 3-port devices that use a Y-junction structure housed in standard double ridge waveguide. 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 Circulator,  
WRD650, Aluminum, Cover Flanges,  
Chromated, Paint Heat Resistant Flat Black.**

Example part number:

**DFC wrd -m f1 f2 f3 -p f**  
DFC 650 -A 01 01 01 -C O

Series (DFC):

Waveguide Size (wrd): WRD580 thru WRD750

Material (-m): A – Aluminum

Flange (f1 f2 f3): See [Appendix H](#)

Plating (-p): C – Chromate

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