

Waveguide Terminations

TABLE OF MAXIMUM POWER RATING

Waveguide Size	Frequency Range (GHz)	VSWR*	Forced Air (Convection)	Liquid Cooled (Forced)	Water Load
WR430	1.70 - 2.60	1.15:1	10 kW	15 kW	30 kW
WR340	2.20 - 3.30	1.15:1	10 kW	13 kW	25 kW
WR284	2.60 - 3.95	1.15:1	9 kW	12 kW	20 kW
WR187	3.95 - 5.85	1.15:1	7.5 kW	12 kW	20 kW
WR137	5.85 - 8.20	1.15:1	7.5 kW	10 kW	17 kW
WR112	7.05 - 10.00	1.15:1	5 kW	7 kW	15 kW
WR90	8.20 - 12.40	1.15:1	5 kW	7 kW	15 kW
WR75	10.00 - 15.00	1.2:1	3 kW	5 kW	10 kW
WR62	12.40 - 18.00	1.2:1	3 kW	4 kW	10 kW
WR42	18.00 - 26.50	1.3:1	2 kW	2.5 kW	7 kW
WR28	26.50 - 40.00	1.3:1	1.5 kW	2.5 kW	5 kW

**Typical VSWR for full band unit- (can be optimized for narrower bandwidths).*

Forced air power rating can be increased 150% with coolant, 300% as a water load.

Flow rate for forced coolant models should be at least 3 Gal/minute (4 Gal/minute preferred).