



- ◆ Extremely Rugged High Power Loads
- ◆ High Temperature Refractory Load Elements
- ◆ Transverse Cooling Fins
- ◆ Available with most Common Flanges



Microlab/FXR WF series dummy loads are the commercial equivalent of the standard military DA loads. Models are designed to meet the requirements of MIL-D-3954A in all electrical and mechanical respects for bands from 1.12 to 40.0 GHz.

The WF loads employ transverse cooling fins and high temperature refractory load elements designed to meet the requirements of MIL-D-3954A. These load elements are in direct contact with the waveguide walls for optimum heat transfer. They can withstand extremely high temperature, temperature gradients and thermal shocks. The [WG series](#) is a similar finned design, but with enhanced heat transfer. For lower powers unfinned models may meet the need, see the [WE series](#).

These loads can be supplied to operate over the full indicated waveguide frequency band. Generally faster delivery and a more economical unit can be furnished for use over narrower frequency ranges. Always specify your frequency and VSWR requirements with any request.

Designs to meet special requirements for bandwidth, size, flanges, etc., are available on request. (11/99)

General Specifications

Dissipative	
Material:	Refractory
Test Pressure:	35 psig. max.
Housing Finish:	Black Paint
	Per TT-E-489
Flange Type:	
< 2.6 GHz:	Contact
> 2.6 GHz	Flange Cover
Material:	Aluminum
Flange Finish:	Iridite Per
	MIL-C-5541

Other Waveguide Loads:

Unfinned Loads:	WE series
Superfinned Loads:	WG ser.
Liquid Cooled Loads:	WL series
Load Inserts:	WD/WZ

Model	Frequency Range	JAN Equivalent	Waveguide Size		Rated Power*		VSWR Max.	Approximate Dimensions Inches/lbs.			
			RG	WR	W Avg.	Test kW pk		L in.	W in.	H in.	Wt. lbs.
WF-0005	1.12-1.70	DA-147/U	103	650	8000	2200	1.15	32.9	8.9	11.4	90.0
WF-0025	2.60-3.95	DA-145/U	75	284	4500	3200	1.10	14.0	4.9	6.4	11.5
WF-0035	3.95-5.85	DA-149/U	95	187	2000	1000	1.10	9.8	3.6	4.1	5.1
WF-0045	5.85-8.20	DA-144/U	106	137	1000	710	1.10	8.0	3.1	3.9	3.3
WF-0050	7.05-10.0	DA-148/U	68	112	600	460	1.10	6.3	2.5	3.1	1.5
WF-0055	8.20-8.50	DA-146/U	67	90	500	290	1.15	5.7	2.8	2.8	1.3
	8.50-12.4						1.10				
WF-0065	12.4-18.0	DA-159/U	349	62	250	160	1.15	4.3	2.4	2.4	0.75
WF-0075	18.0-26.5	DA-160/U	121	42	150	80	1.15	4.2	2.2	2.2	0.37
WF-0085	26.5-40.0	DA-158/U	96 [†]	28	75	100	1.20	4.2	2.0	2.0	0.37

[†] Aluminum Equivalent

*When tested in accordance with MIL-D-3954A