

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



Microlab 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. (8/08)

**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

Model No.	Frequency Range GHz	Waveguide Size		JAN Equivalent	Rated Power*			Nominal Dimensions Inches (mm)			Weight nom. lbs (kg)
		RG	WR		W avg.	kW pk Test	VSWR max.	L	W	H	
WF-0005	1.12 - 1.70	103	650	DA-147/U	8000	2200	1.15:1	32.9 (836)	8.9 (226)	11.4 (290)	90 (41)
WF-0025	2.60 - 3.95	75	284	DA-145/U	4500	3200	1.10:1	14.0 (356)	4.9 (124)	6.4 (163)	11.5 (5.2)
WF-0035	3.95 - 5.85	95	187	DA-149/U	2000	1000	1.10:1	9.8 (249)	3.6 (91)	4.1 (104)	5.1 (2.3)
WF-0045	5.85 - 8.20	106	137	DA-144/U	1000	710	1.10:1	8.0 (203)	3.1 (79)	3.9 (99)	3.3 (1.5)
WF-0050	7.05 - 10.0	68	112	DA-148/U	600	460	1.10:1	6.3 (160)	2.5 (64)	3.1 (79)	1.5 (0.7)
WF-0055	8.20 - 8.80 8.80 - 12.4	67	90	DA-146/U	500	290	1.15:1 1.10:1	5.7 (145)	2.8 (71)	2.8 (71)	1.3 (0.6)
WF-0065	12.4 - 18.0	349	62	DA-159/U	250	160	1.15:1	4.3 (109)	2.4 (61)	2.4 (61)	0.75 (0.34)
WF-0075	18.0 - 26.5	121	42	DA-160/U	150	80	1.15:1	4.2 (107)	2.2 (56)	2.2 (56)	0.37 (0.17)
WF-0085	26.5 - 40.0	‡96	28	DA-158/U	75	100	1.20:1	4.2 (107)	2.0 (51)	2.0 (51)	0.37 (0.17)

‡Aluminum Equivalent

\*when tested in accordance with MIL-D-3954A