DC–6 GHz, 25 W RF Load

LCLOAD-6000-25 terminates a 50 Ω RF signal path across DC–6 GHz. The load is intended for RF test and measurement systems, with 25 W typical and 20 W minimum continuous-wave power handling and a typical VSWR of 1.3:1.



The original product photograph shows a finned load body. The +45 dBm no-damage input limit is an absolute maximum rating, separate from the CW power specification. Operating, storage and non-condensing humidity limits are stated as environmental design targets; completed qualification is not documented.

RF load specifications

25 °C; 50 Ω

Parameter	Minimum	Typical	Maximum	Unit
Operating frequency	DC	-	6000	MHz
CW RF power handling	20	25	-	W
VSWR	-	1.3:1	-	-
Impedance	-	50	-	Ω

Absolute maximum rating

Absolute maximum no-damage input rating; not a continuous power rating

Parameter	Minimum	Typical	Maximum	Unit
No-damage RF input limit	-	-	+45	dBm

Environmental design targets

Design targets; completed environmental qualification is not documented.

Parameter	Minimum	Typical	Maximum	Unit
Operating temperature	-20	-	50	°C
Storage temperature	-25	-	85	°C
Relative humidity [1]	-	-	95	%

[1] Non-condensing

Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.