

MODEL NUMBER:  
**HPT2G**

**1KW ULTRA HIGH POWER  
 TERMINATION DC - 2GHZ**



**A**

**B**

**FEATURES**

- Low VSWR
- High Power
- Optimized for Pulsed Applications
- B version includes fans

**TYPICAL APPLICATIONS**

- Test and Measurement
- Wireless Infrastructure

Product Details	
Part Number	RFST1000G02
Manufacturer	RF-Lambda
Description	1000 W, Coaxial Termination from DC to 2 GHz
General Parameters	
Type	Coaxial Termination
Frequency	DC to 2 GHz
Power	1000 W
Peak Power	5 kW
Impedance	50 Ohms
Connector	N Type, 7/16 DIN
VSWR	1.30:1
Grade	Commercial
Dimension	806 x 392 x 128mm
Operating Temperature	-10 to 50 Degree C
Storage Temperature	-40 to 70 Degree C
RoHS	Yes

## ELECTRICAL SPECIFICATIONS, $T_A = 25^\circ\text{C}$

PARAMETERS	Min.	Typ.	Max.	Units
Frequency Range	DC		2	GHz
VSWR			1.15	: 1
CW Power Handling		1		KW
Peak Power Handling		5 *		KW

## MECHANICAL SPECIFICATIONS

Weight	Type A:16Kg Type B:27Kg
Coaxial Connector	Coaxial Connector
Size	Type A: 800×130×130mm Type B :806×392×128mm
Finish	Finish

## ENVIRONMENTAL SPECIFICATIONS AND TEST STANDARDS

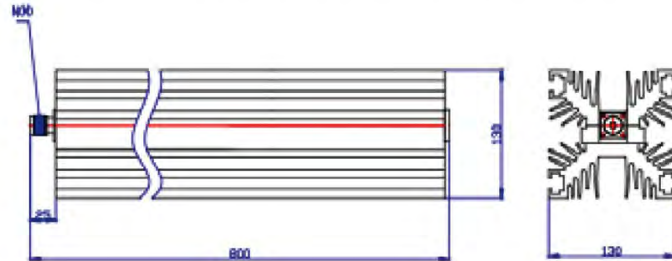
PARAMETERS	DESCRIPTION
Operational Temperature	-40°C~+85°C
Storage Temperature	-55°C~+125°C
Thermal Shock	-40°C → +85°C (5 Cycles / 10 hours)
Random Vibration	MIL-STD-202G Table 214-I, Test Condition Letter C 1.5 Hours Per Axis
High Temperature Burn In	Temperature +85°C for 72 Hours
Shock	1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s 2. Weight ≤20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s 3. Total 18 times (6 directions, 3 repetitions per direction).
Altitude	Standard: 30,000 Ft (Epoxy Sealed Controlled Environment) Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)
Hermetically Sealed (Optional)	MIL-STD-883 (For Hermetically Sealed Units)

\* Please note, peak power conditions must be checked with the manufacturer when ordering (Peak Power, Pulse Width, Duty Cycle, Operating Duration)

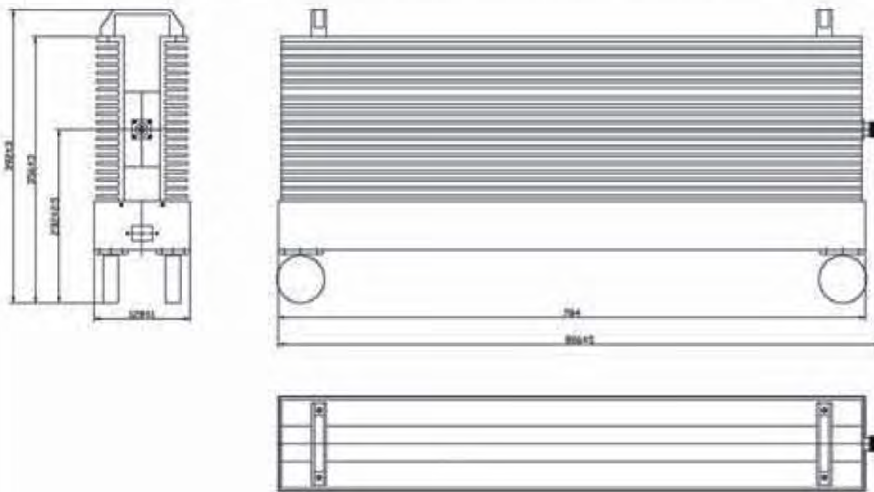
## OUTLINE DRAWING

All Dimensions in mm

Type A – No fans included, but airflow mandatory for operation



Type B – AC powered fans included (Default 110V)



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