L4888
HYDROGEN-FILLED THYRATRON

The L4888 is a two-gap thyratron suitable for line type modulator applications. The electron device is designed for long life accelerator service.

KEY FEATURES

- Rugged metal/ceramic construction
- Auxiliary grid may be DC primed or pre-pulsed
- Configured for forced-air cooling (250 CFM minimum) directed at mounting flange from below
- Cooling may be by liquid immersion

SPECIFICATIONS

MAXIMUM RATINGS				UNITS
Peak Anode Voltage (epy)			55	kV
Peak Anode Current (ib)			15,000	A
Average Anode Current (Ib)			8.0	ADC
RMS Anode Current (Ip)*			215	ARMS
Anode Current Rate of Rise (dib/dt)			25,000	A/µs
Anode Delay Time (tad)			0.4	µs
Time Jitter (tj)			0.010	µs
Ambient Temp	0° to + 40° C			

ANCILLARY SUPPLIES	NOM.	MIN.	MAX.	UNITS
Peak Control Grid Voltage (egy)	----	1,200	2,500	V
Control Grid Voltage Pulse Width (tp)	2	1	----	µs
Control Grid Voltage Rise Time (tr)	----	----	0.35	µs
Control Grid Source Drive Impedance (Zg)	----	----	50	Ω
Negative Control Grid Bias (Ecc)	0	----	-100	VDC
Auxiliary Grid Voltage	----	150	300	VDC
Auxiliary Grid Current	----	200	500	mADC
Heater Voltage (Ef)	6.3	6.0	6.6	VAC/VDC
Heater Current at 6.3 V (If)	----	----	75	AAC/ADC
Reservoir Voltage (Eres)	----	3.0	5.5	VAC/VDC
Reservoir Current at 4.5 V (Ires)	----	----	25	AAC/ADC
Warm-up Time (tk)	----	15	----	min.

*The root mean square anode current shall be computed as the square root of the product of peak current and average current, (ib x Ib)^0.5.

Specifications are subject to change without notice.

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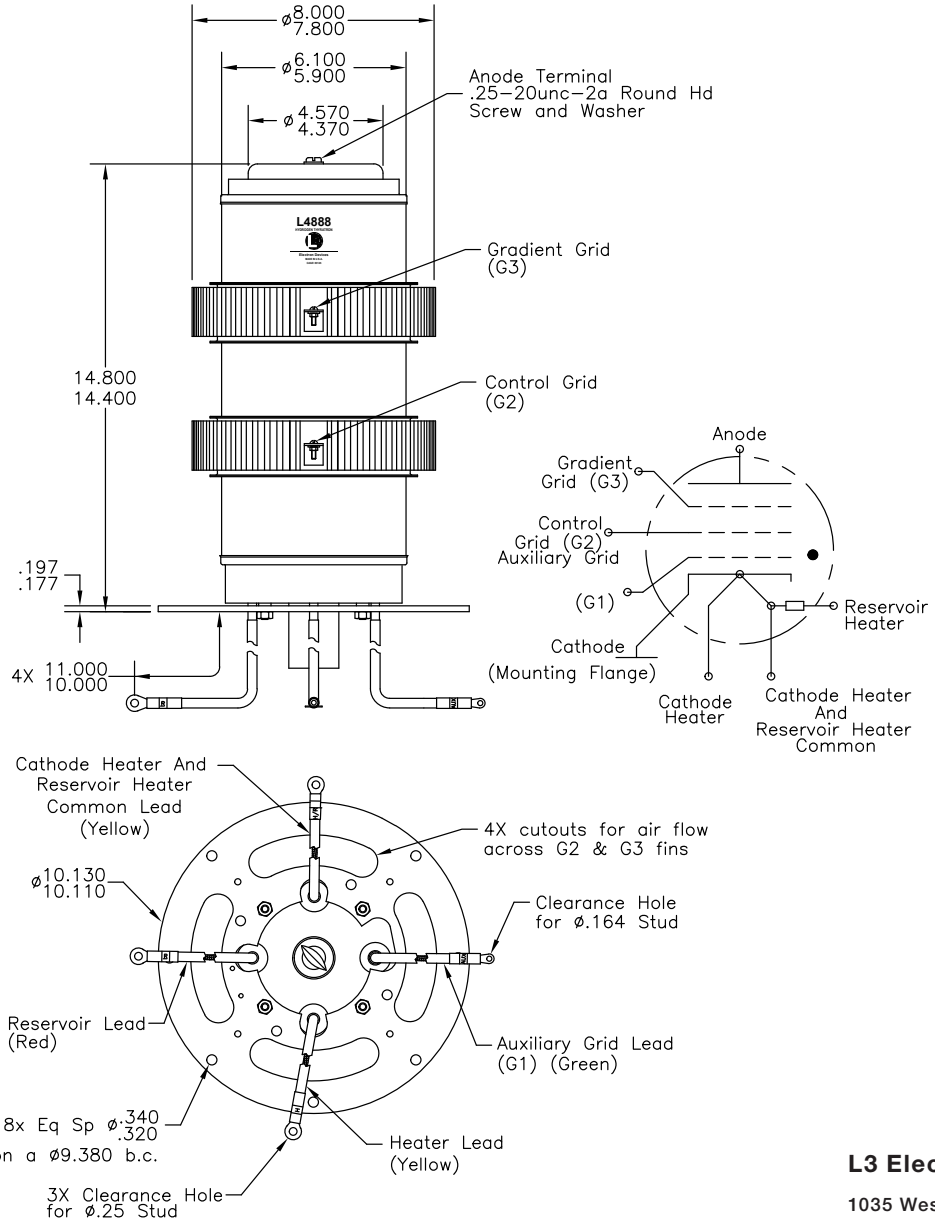
SEE OUTLINE

(measurements in inches)



Please contact L3 Electron Devices for additional information, specific product requests, and/or requirements.

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