



communications

Electron Devices

L5892 Klystron

Features

- **2.8 - 3.2 GHz**
- **3 MW**
- **35 dB Gain**

The L5892 is a fixed tuned, S-band, cathode pulsed, klystron amplifier. The tube is intended for use in ground based radar systems. DS58921102

Performance

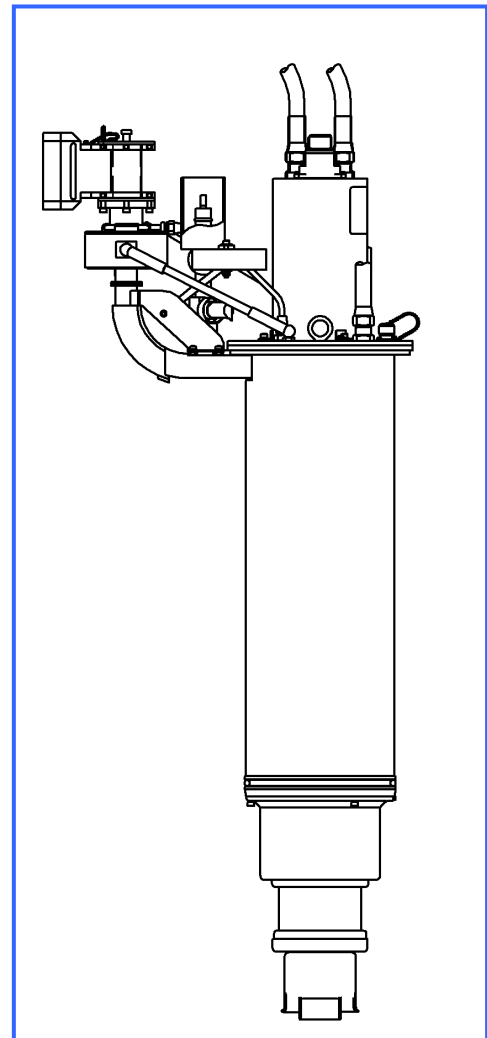
Frequency	2.8 to 3.2 GHz
Peak Output Power	3.0 to 4.5 MW
Beam Voltage	117 KV max.
Beam Current	80 A max.
Drive Power	800 W max.
ΔDrive Power	
@ Output Power across Band	1 dB
Average Body Current	30 mA max.
Duty (video).....	0.2%
Beam Pulse Width	9.3 typ, μsecs
Heater Volts	7.5 VAC
Heater Current	33 ± 3 AAC
Ion Pump Voltage	3 KV min.
Focussing Solenoid Amps.	10±1 ADC
Load VSWR	1.5:1 max.

Operational Requirements

Coolant, Water or Water/Glycol	60%
Inlet temperature	65° C max.
Static Pressure.....	150 PSIG max.
Collector Flow Rate.....	6.0 PSIG max.
Body Flow Rate.....	1.5 GPM min.
Solenoid Flow Rate.....	1.5 GPM min.
Oil Bath Temperature	60°C max.
Waveguide Pressurization Gas.....	Dry Air
Waveguide Pressure.....	37 PSI A min.

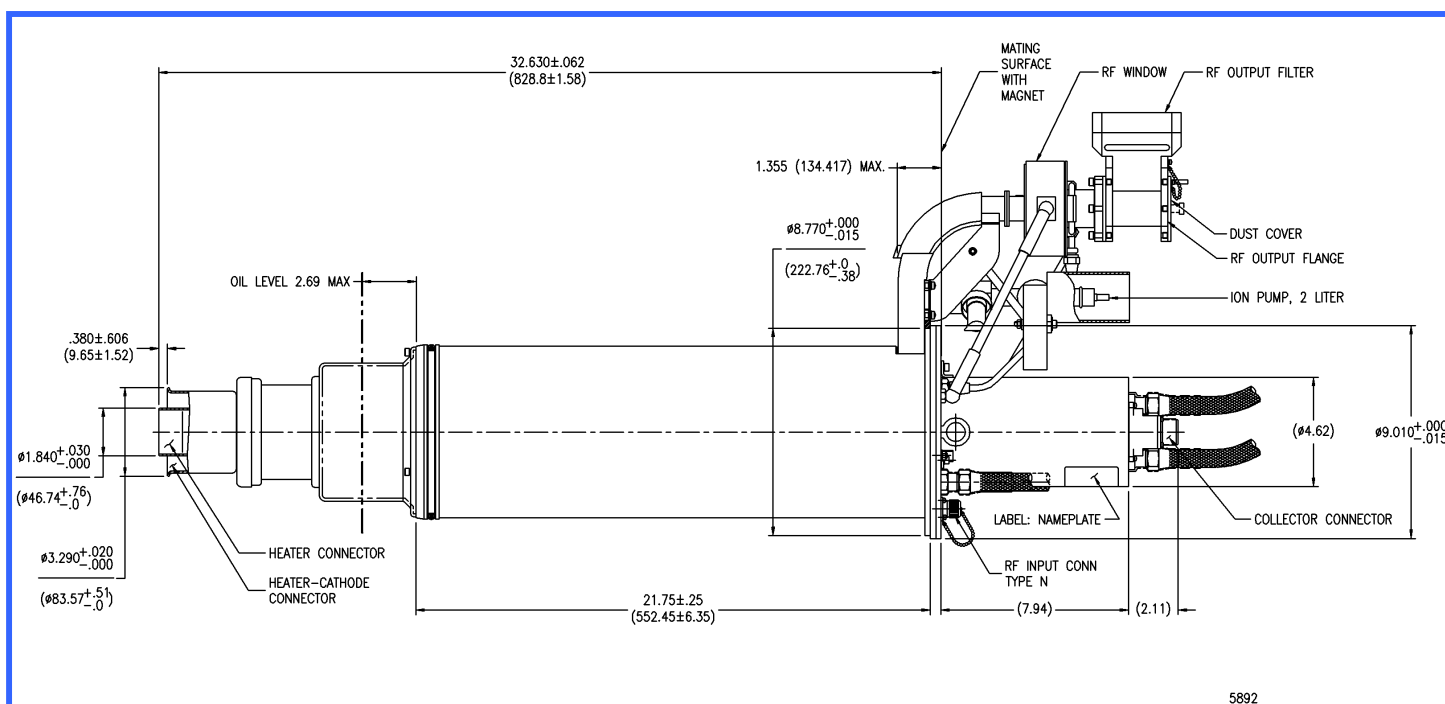
Mechanical Characteristics

Dimensions	See Outline Drawing
Weight.....	140 lbs. max.
Focusing Solenoid	Will advise
Mounting Position	Vertical, Collector up
RF Input Connector	coaxial, Type N female
RF Output Waveguide	See Outline Drawing



Cleared by DoD/DFOISR for public
release under 02-S-2537 9/18/02

L5892 Outline Drawing



Current detailed outline drawings are available on request. Specifications and features are subject to change without notice.



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