

MODEL 466 HeNe LASER POWER SUPPLY

10 - 14 Vdc INPUT

GENERAL DESCRIPTION

MODEL 466 is designed for LC lasers only with up to 2mW output where size and high performance is required. This cylindrical supply utilizes a unique high frequency energy conversion circuit which operates at efficiencies greater than 87%, resulting in cool and reliable operation without heat sinking.

MODEL 466 is fully protected against output fault conditions, including repeated arcs to ground. Upon removal of the fault condition, normal operation will automatically begin. Input reverse bias protection is achieved with a series low loss Schottky diode.

FEATURES

Feedback regulated output current

Feedback regulated start voltage

No heat sink required

Complete fault protection

Output short circuits

Output open circuits

Arc protection

Input reverse bias

Size - cylindrical

1 3/16" O.D. X 3 5/8"

SPECIFICATION

INPUT

Voltage.....>10-14 Vdc

Current..... 750 ma*

OUTPUT

Start Voltage.....>10KV

Output Voltage..... 1650Vdc + 200V

Output Current..... 3mA. to 5mA

EFFICIENCY

>87%

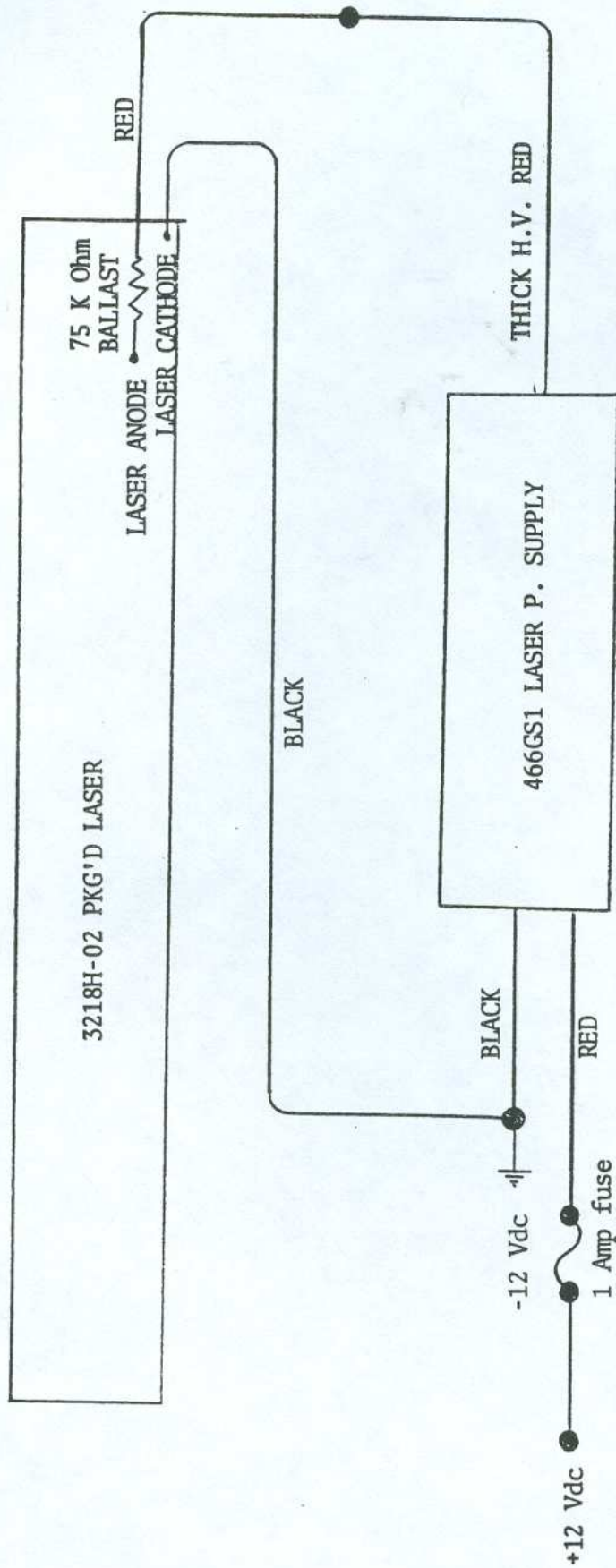
TEMPERATURE

-20°C to +50°C

RIPPLE

<10% P-P

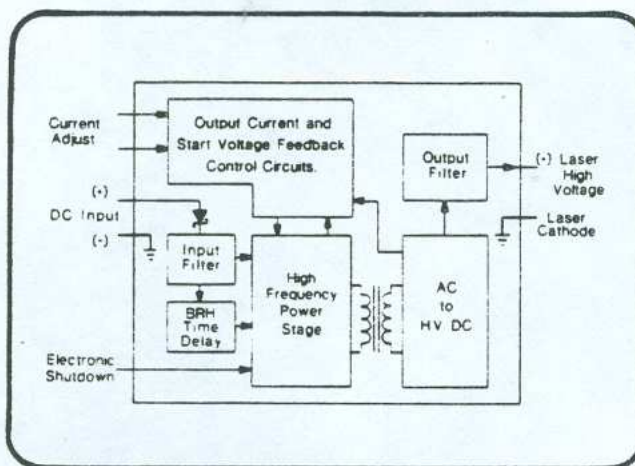
*Hughes LC lasers only up to 2mW
output flying leads only



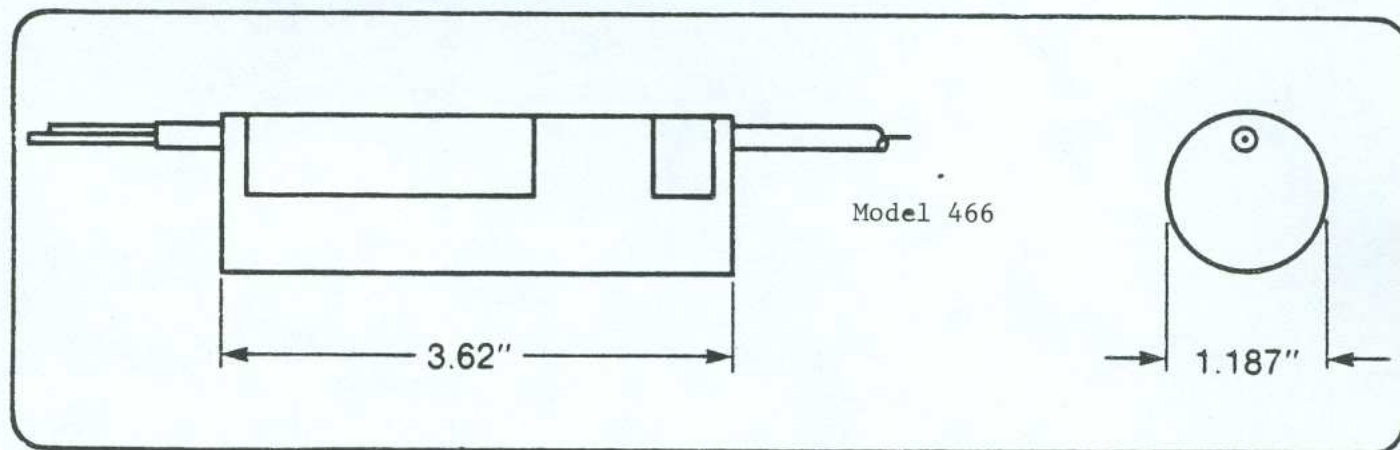
466GS1 - 3218H-02 WIRING DIAGRAM

• 12 VDC INPUT

CONCEPTUAL DIAGRAM



PHYSICAL DIMENSIONS



Specifications subject to change without notice

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