

CONCENTRATED-ARC LAMP

100-Watt, DC

This Concentrated Arc Lamp is designed for applications requiring a light source of high brilliance and small size.

AVERAGE CHARACTERISTICS

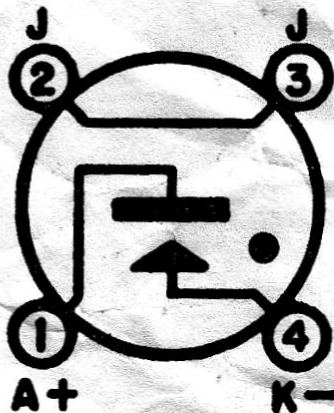
Voltage across lamp.....	15.4 volts dc
Current through lamp.....	6.25 amps.
Candlepower.....	.77 cp.
Diameter of light source.....	1.5 mm.; 0.059 in.
Brilliance of light source.....	.39 candles per sq. mm.; 25,200 candles per sq. in.

INSTALLATION AND APPLICATION

The 100-watt d-c lamp fits a standard four pin radio tube socket and may be installed to burn in any position. The bulb becomes hot during continuous operation and requires adequate ventilation to prevent overheating.

This lamp has a negative volt ampere character so must be provided with a suitable ballast whose resistance will depend upon the d-c supply voltage. It is recommended that a d-c voltage of at least 50 volts be used with sufficient resistance in series with the lamp to limit the current to 6.25 amperes. The lamp requires a momentary starting potential of 2000 volts or higher.

Patent Applied For



*Bottom View of Socket
Connections*

- A - Anode
- K - Cathode
- - Gas Filled
- J-J - Jumper

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