

PHOTOGRAPHIC FLASH TUBE

Cold cathode Xenon-filled discharge tube for use in studio or portable photo-flash equipment.

LSD7

MOUNTING POSITION

Any

CHARACTERISTICS

Min. anode-to-cathode breakdown voltage 3,000 volts

Following measured at $V_a=2,500$ volts and energy discharge=200 joules

*Flash duration 200 μ secs.

Peak light output 44 Megalumens

Total light output 7,000 Lumens-secs.

Luminous efficiency 35 Lumens/watt

Effective tube resistance (approx.) 3 ohms

*Time taken between rise and fall to $1/e$ (36%) of the peak light output.

OPERATING CONDITIONS

Anode voltage (V)	Capacitance (μ F)	Energy discharge (joules)
2,700	55	200
2,500	64	200
2,000	100	200

LIMITING VALUES (Absolute ratings)

Max. energy discharge	200	joules
Anode voltage limits	2,000 to 2,700	volts
Peak trigger voltage limits	5,000 to 8,000	volts
Min. time between flashes at 200 joules	30	secs.



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