

ELECTRONIC TUBE REFERENCE

ED50

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
LIGHTSOURCE

Gas-discharge stroboscopic light source intended for high-intensity repetitive flash applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 LightSource	
MAXIMUM PLATE VOLTAGE	600 V
Arc-discharge stroboscopic light-source section; representative section where repeated.	

The Ferranti ED50 is a gas-discharge stroboscopic light source intended for controlled high-intensity flashes.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 FERRANTI

Section 1 · LightSource

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Static Anode Voltage	600 V	—
Maximum Working Anode Voltage	550 V	—
Maximum Dissipation	10 W	—
Maximum Flash Repetition Rate	10 Hz	—
Trigger Voltage	5 kV	PeakPulse
DC Supply Voltage	350 V	—
Charging Resistor	75000 ohm	—
Discharge Capacitor	32 uF	FlashRate=0-10Hz; Supply=350V
Discharge Capacitor	80 uF	FlashRate=0-10Hz; Supply=500V

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Working Anode Voltage	350 V	—

TUBE TINKER

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and their source documents.

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