

Gas-discharge stroboscopic light source designed for controlled high-intensity optical flashes.

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	300 V
Arc-discharge stroboscopic light-source section; representative section where repeated.	

The Ferranti ED20 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	300 V	—
Maximum Working Anode Voltage	240 V	—
Maximum Dissipation	12 W	—
Maximum Discharge Capacitor	16 uF	—
Maximum Flash Repetition Rate	30 Hz	—
DC Supply Voltage	230 V	—
Charging Resistor	500 ohm	—
Maximum AC Supply Voltage	240 V	RMS
Maximum Energy per Flash	1 J	—
Discharge Capacitor	16 uF	FlashRate=1-15Hz
Discharge Capacitor	4 uF	FlashRate=16-30Hz

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Working Anode Voltage	180 V	—

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