

Ferranti gas-discharge stroboscopic tube for generating controlled high-intensity 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	600 V
Arc-discharge stroboscopic light-source section; representative section where repeated.	

The Ferranti ED40 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	500 V	—
Maximum Dissipation	6 W	—
Maximum Flash Repetition Rate	250 Hz	—
Trigger Voltage	5 kV	PeakPulse
DC Supply Voltage	450 V	—
Charging Resistor	75000 ohm	—
Discharge Capacitor	2 uF	FlashRate=0-25Hz
Discharge Capacitor	1 uF	FlashRate=25-50Hz
Discharge Capacitor	0.5 uF	FlashRate=50-150Hz
Discharge Capacitor	0.25 uF	FlashRate=150-250Hz

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