



ELECTRONIC TUBE REFERENCE

EDN10

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

LIGHTSOURCE

Dual xenon stroboscopic tube containing two independent EN55 flash assemblies for interlaced operation to roughly 800 flashes per second.

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	1000 V
Representative of two identical EN55 flash sections.	

The Ferranti EDN10 contains two independent EN55 xenon cold-cathode flash assemblies for interlaced stroboscopic operation up to about 800 flashes per second.

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	1000 V	EachSection
Maximum Working Anode Voltage	900 V	EachSection
Maximum Dissipation	20 W	EachSection
Maximum Discharge Capacitor	6 uF	EachSection
Minimum Charging Resistor	8000 ohm	12-150Hz; EachSection
Minimum Charging Resistor	11000 ohm	150-400Hz; EachSection
Maximum Operating Frequency	400 Hz	EachSection

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Working Anode Voltage	700 V	EachSection
Trigger Voltage	3 kV	2-4kV PeakPulse; EachSection
Typical Peak Luminous Intensity	140000 cd	Va=900V; C=6uF; EachSection
Typical Flash Duration	27.5 us	25-30us; EachSection

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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