

ELECTRONIC TUBE REFERENCE

EN10

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TETRODE

Cold-cathode pulse tetrode for trigger and switching circuits. Gas-discharge operation provides abrupt pulse conduction without a conventional heater.

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	Tetrode
MAXIMUM PLATE VOLTAGE	440 V
Cold-cathode gas-discharge tetrode section.	

The Ferranti EN10 is a neostron cold-cathode tetrode stroboscopic/relay tube emitting reddish light.

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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Static Anode Voltage	440 V	—
Maximum Working Anode Voltage	380 V	—
Maximum Mean Anode Current	100 mA	—
Maximum Repetition Frequency	250 Hz	—
Typical Supply Voltage	300-330 V	—
Trigger Pulse Amplitude	150 V	Minimum where specified
Charging Resistor	3000 ohm	—
Peak Inverse Anode Voltage	350 V	—
Maximum Average Trigger Current	10 mA	—
Maximum Discharge Capacitor	16 uF	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Working Anode Voltage	240 V	—
Static Trigger/Striking Voltage	80-130 V	—
Peak Anode Current	400 A	Pulse
Peak Luminous Intensity	700 cd	Typical
Flash Duration	15 us	Typical

TUBE TINKER

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and their source documents.

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