



ELECTRONIC TUBE REFERENCE

GN10

Specialized - Switching Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TETRODE

Cold-cathode gas tetrode for relay, control, and pulse-switching service, using gas-discharge conduction for rapid high-current control.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Tetrode	
MAXIMUM PLATE VOLTAGE	550 V
Cold-cathode gas-discharge tetrode section.	

The Ferranti GN10 is a cold-cathode tetrode arc-discharge valve for electronic relay/control pulses.

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	550 V	—
Maximum Working Anode Voltage	450 V	—
Maximum Mean Anode Current	90 mA	—
Maximum Repetition Frequency	250 Hz	—
Typical Supply Voltage	420 V	—
Trigger Pulse Amplitude	160 V	Minimum where specified
Charging Resistor	3000 ohm	—
Peak Inverse Anode Voltage	500 V	—
Maximum Average Trigger Current	10 mA	—
Maximum Discharge Capacitor	16 uF	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum Working Anode Voltage	320 V	—
Static Trigger/Striking Voltage	90-140 V	—
Peak Luminous Intensity	530 cd	Typical
Flash Duration	5 us	Typical

TUBE TINKER

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

