



ELECTRONIC TUBE REFERENCE

KD21

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode glow-discharge voltage stabilizer for heaterless shunt regulation or reference service in electronic power supplies.

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

SECTION 1 Voltage Regulator	
REGULATOR VOLTAGE	75 V
MINIMUM REGULATOR CURRENT	5 mA
MAXIMUM REGULATOR CURRENT	40 mA
STARTING VOLTAGE	100 V
MAINTAINING VOLTAGE	75 V
<i>Published Ferranti ratings and characteristics promoted where applicable; additional electrical, pulse, regulator, microwave, and operating data retained as parameters.</i>	

Cold-cathode glow-discharge voltage stabilizer, nominally 75 V at 5-40 mA.

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 · Voltage Regulator

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode supply voltage minimum	105 V	—
Operating current minimum	5 mA	—
Operating current maximum	40 mA	—
Peak current maximum	100 mA	Pulse

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal striking voltage	100 V	—
Nominal operating voltage	75 V	—
Regulation over 5-40 mA	6 V	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Glow-discharge voltage stabilization	—

TUBE TINKER

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