



ELECTRONIC TUBE REFERENCE

KD63

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Subminiature neon-filled cold-cathode reference tube for stable low-current operation around 62 V.

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	62 V
MINIMUM REGULATOR CURRENT	0.2 mA
MAXIMUM REGULATOR CURRENT	2.5 mA
STARTING VOLTAGE	105 V
MAINTAINING VOLTAGE	62 V
<i>Published Ferranti ratings and characteristics promoted where applicable; additional electrical, pulse, regulator, microwave, and operating data retained as parameters.</i>	

Subminiature neon-filled cold-cathode voltage-reference tube for stable low-current reference service.

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
Voltage to ensure ignition minimum	105 V	—
Operating current maximum	2.5 mA	—
Operating current minimum	200 uA	—
Ionisation-maintaining current minimum	20 uA	—
Preferred operating current range	1.0 to 1.2 mA	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating voltage minimum	60 V	—
Operating voltage maximum	64 V	—
Regulation 1.0-1.2 mA	0.1 V	—
Regulation 0.5-2.2 mA	0.4 V	—
Regulation 0.2-2.5 mA	0.75 V	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Precision voltage reference	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker