



ELECTRONIC TUBE REFERENCE

HL25

Power - Triode Single (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

High-voltage control triode for voltage-regulator service in high-voltage, low-current DC power supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
AMPLIFICATION FACTOR	800
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	4 W
MAXIMUM CATHODE CURRENT	10 mA
<i>Published Ferranti ratings and characteristics promoted where applicable; additional electrical, pulse, regulator, microwave, and operating data retained as parameters.</i>	

High-voltage control triode for voltage-regulator service in high-voltage low-current DC supplies.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mean anode current maximum	10 mA	—
Peak anode current maximum	5 mA	—
Negative grid voltage maximum	-150 V	—
Grid circuit resistance maximum	5 Mohm	—
Peak heater-cathode voltage maximum	150 V	—
Cathode heating time minimum	45 s	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cutoff grid voltage at 15 kV	-32 V	—
Grid voltage for 5 uA at 15 kV	-25 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-cathode capacitance maximum	0.1 pF	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	High-voltage regulator control valve	—

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

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