ELECTRONIC TUBE REFERENCE

CL57

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
LIGHTSOURCE

Compact heated spectral light source using spectrally pure neon gas for spectroscopy and wavelength calibration.

General characteristics

BASE DESIGNATION	–	**BASE PINS**	–
NOMINAL HEATER	6.3 V / 1.3 A	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 LightSource

No fixed ratings recorded.

Heated spectral gas-discharge light-source section.

The Ferranti CL57 is a compact heated spectral light source filled with spectrally pure neon gas.

SOURCE OPERATING CONDITIONS

1963 Ferranti

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 FERRANTI

Section 1 · LightSource

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	**6.3 V**	—
Heater Current	**1.3 A**	—
Gas Filling	**Neon text**	—
Minimum Supply Voltage	**400 V**	—
Anode-Cathode Voltage Drop	**55 V**	Approximate
Minimum Cathode Heating Delay	**60 s**	BeforeHT

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Mean Anode Current	**40 mA**	—
Maximum Peak Cathode Current	**90 mA**	—
Trigger Electrode Resistor	**22000 ohm**	TriggerToAnode

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