

ELECTRONIC TUBE REFERENCE

CL62

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
LIGHTSOURCE

Ferranti vacuum grid-controlled triode light source using ultraviolet-emitting phosphor, designed for high-speed stroboscopic photography and specialized optical work.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 LightSource	
MAXIMUM PLATE VOLTAGE	20000 V
MAXIMUM CATHODE CURRENT	0.2 mA
Grid-controlled electron-beam light-source triode.	

The Ferranti CL62 is a vacuum grid-controlled triode light source for high-speed stroboscopic work, using a ultraviolet phosphor.

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	300 mA	—
Grid Cutoff Voltage	-30 V	LowerMagnitudeLimit; range -30 to -80V
Grid Cutoff Voltage	-80 V	UpperMagnitudeLimit; range -30 to -80V
Maximum Grid Drive	150 V	ForMaximumAnodeCurrent
Phosphor Type	Q text	—
Fluorescence	Ultraviolet text	—
Decay Time	0.1 us	Approximate
Light Output	240 cd	Va=20kV; PeakBeamCurrent=100mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	20000 V	NormalRating
Maximum Pulsed Anode Current	100 mA	Pulse
Maximum Mean Anode Current	0.2 mA	—

TUBE TINKER

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and their source documents.

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