ELECTRONIC TUBE REFERENCE

CL42

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
LIGHTSOURCE

Low-noise helium linear light source for sound-on-film recording, interferometry, and related optical applications.

General characteristics

BASE DESIGNATION	InternationalOctal	**BASE PINS**	8
NOMINAL HEATER	6.3 V / 1.2 A	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 LightSource

MAXIMUM CATHODE CURRENT	40 mA
WARM-UP TIME	60 s

Promoted fields were populated only where the Ferranti sheet maps cleanly to the locked schema; additional ratings and operating values are retained in TUBE_SECTION_PARAMETER.

Helium-filled low-noise linear light source with output proportional to anode current, intended for sound-on-film recording, interferometry and related applications.

SOURCE OPERATING CONDITIONS

1963 Ferranti

SOURCE PDF

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

1963 FERRANTI

Section 1 · LightSource

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Trigger voltage maximum	**500 V**	—
Mean anode current maximum	**40 mA**	—
Peak anode current maximum	**90 mA**	—
Trigger resistor recommended	**22000 Ohm**	—

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Cathode current minimum	**10 mA**	MaintainDischarge
Anode-to-cathode voltage drop maximum	**110 V**	—

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