ELECTRONIC TUBE REFERENCE

7633

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PHOTOCONDUCTIVEDETECTOR

High-sensitivity cadmium-sulphide photoconductive detector with peak response in the red and infrared region. Designed for end-on illumination, it converts incident radiation into a measurable resistance or conductivity change.

General characteristics

BASE DESIGNATION	B3A	**BASE PINS**	3
NOMINAL HEATER	– / –	**PARALLEL HEATER**	– / –
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 PhotoconductiveDetector

No fixed ratings recorded.

Promoted values are taken directly from the supplied datasheet; additional ratings, characteristics and operating points are preserved in TUBE_SECTION_PARAMETER.

High-sensitivity cadmium-sulphide photoconductive cell with peak response in the red/infrared region for end-on illumination.

SOURCE OPERATING CONDITIONS

1963 Mullard

SOURCE PDF

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

1963 MULLARD

Section 1 · PhotoconductiveDetector

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum DC cell voltage	**100 V**	—
Maximum RMS cell voltage	**70 V**	—
Cell dissipation at 25C	**200 mW**	—
Cell dissipation at 60C	**200 mW**	—
Cell dissipation at 70C	**50 mW**	—
Ambient temperature minimum	**-40 degC**	—
Ambient temperature maximum	**70 degC**	—

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Cell current minimum	**3 mA**	10VDC;5lumens/ft2;2700K
Cell current average	**6 mA**	10VDC;5lumens/ft2;2700K
Cell current maximum	**14 mA**	10VDC;5lumens/ft2;2700K

TUBE TINKER

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