

ELECTRONIC TUBE REFERENCE

ORP11

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOCONDUCTIVEDETECTOR

Photoconductive light-sensitive cell designed for optical or infrared detection by illumination-dependent resistance.

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

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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and their source documents.

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