

ELECTRONIC TUBE REFERENCE

7632

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOCONDUCTIVEDETECTOR

Indium-antimonide photoconductive infrared detector sensitive from visible wavelengths to approximately 8 micrometres at room temperature. Incident radiation changes the cell's conductivity for direct optical and infrared measurement.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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.

Indium-antimonide photoconductive infrared cell sensitive from visible wavelengths to about 8 microns at normal room temperature.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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 direct current	100 mA	—
Maximum case temperature	70 degC	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak spectral response minimum	6 um	—
Peak spectral response maximum	6.5 um	—
Spectral response maximum wavelength	8 um	—
Signal-to-noise ratio	72 ratio	At6um;GreaterThan
Noise equivalent power	4e-9 W	At6um;Bandwidth=1Hz;LessThan
Cell resistance	75 Ohm	—
Time constant	1 us	LessThan

TUBE TINKER

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and their source documents.

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