ELECTRONIC TUBE REFERENCE

61SV

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
PHOTOCONDUCTIVEDETECTOR

Uncooled lead-sulphide photoconductive infrared cell designed for detection of chopped or pulsating infrared radiation.

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.

Uncooled lead-sulphide photoconductive infrared cell for chopped or pulsating radiation, with high room-temperature infrared sensitivity.

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 applied voltage	**250 V**	—
Maximum current	**500 uA**	—
Maximum operating ambient temperature	**60 degC**	—
Maximum storage temperature	**60 degC**	—

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Peak spectral response	**2.5 um**	—
Spectral response minimum	**0.3 um**	—
Spectral response maximum	**3.5 um**	—
Sensitivity	**180 uV/uW**	BlackBody=200C;Peak
Signal-to-noise ratio	**150 ratio**	BlackBody=200C
Noise equivalent power	**5e-12 W**	Bandwidth=1Hz
Sensitivity to tungsten light	**3 mA/lm**	Peak;2700K
Time constant	**75 us**	—
Noise equivalent power	**5.5e-11 W**	Wavelength=2um
Dark-resistance temperature coefficient	**-2 %/degC**	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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