

ELECTRONIC TUBE REFERENCE

ORP10

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	—	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

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