

ELECTRONIC TUBE REFERENCE

SR50

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PHOTOEMISSIVEDETECTOR

High-vacuum light-sensitive phototube with spectral response extending from deep red through the near ultraviolet. Designed for direct photoelectric detection across a broad optical wavelength range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	0 V / 0 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1	PhotoemissiveDetector
No fixed ratings recorded.	
High-vacuum phototube photoemissive section.	

High-vacuum light-sensitive phototube with deep-red through near-ultraviolet spectral response.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1947 Westinghouse

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

1947 WESTINGHOUSE

Section 1 · PhotoemissiveDetector

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
CathodeSensitivity	15 uA/Lm	—
SpectralResponse	DeepRed_NearUV text	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumOperatingVoltage	500 V	—
MaximumCathodeCurrentDensity	20 uA/in2	—

TUBE TINKER

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and their source documents.

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