

ELECTRONIC TUBE REFERENCE

7538

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CAMERAPICKUP

Low-light image orthicon using a high-gain thin-film magnesium-oxide target for surveillance, satellite tracking, detection, and other sensitive imaging applications under normal environmental conditions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 CameraPickup
No fixed ratings recorded.
Representative electrical section; promoted fields and additional published ratings are mapped from the approved source where applicable.

Low-light-level image orthicon with a high-gain thin-film magnesium-oxide target for normal environmental operation, including surveillance, satellite tracking, and detection applications.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · CameraPickup

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Photocathode voltage maximum	-600 V	Published datasheet value
Anode supply voltage maximum	1850 V	Published datasheet value
Photocathode illumination maximum	50 foot-candle	Published datasheet value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-to-all-other-electrodes capacitance	12 pF	Published datasheet value

TUBE TINKER

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