

ELECTRONIC TUBE REFERENCE

F4011

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CAMERAPICKUP

Magnetically focused and deflected image-dissector camera tube incorporating a ten-stage electron multiplier for sensitive image pickup.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	14
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 CameraPickup
No fixed ratings recorded. Applicable promoted fields mapped from printed headings; specialized microwave/imaging/electrode data retained densely in TUBE_SECTION_PARAMETER.

Magnetically focused and deflected image-dissector camera tube with 10-stage electron multiplier.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1962 ITT

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

1962 ITT

Section 1 · CameraPickup

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Photocathode Spectral Response	S-1/S-11/S-20	—
Aperture Size Minimum	0.0005 in	—
Aperture Size Maximum	0.35 in	—
Number of Dynodes	10 count	—
Current Amplification Minimum	50000 ratio	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Photocathode Voltage	-2400 V	—
Photocathode Current Density Maximum	10 uA/cm2	—
Average Anode Current Maximum	100 uA	—
Peak Anode Current Maximum	250 uA	—
Overall Voltage Maximum	3400 V	—
Photocathode-Dynode1 Voltage Maximum	1000 V	—
First Dynode-Anode Voltage Maximum	2400 V	—

TUBE TINKER

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

