



ELECTRONIC TUBE REFERENCE

F9049

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

IMAGECONVERTERINTENSIFIER

Rugged infrared image-converter tube operating around 16 kV. It converts an infrared input image into a visible fluorescent-screen image, enabling direct viewing or recording of otherwise invisible infrared scenes.

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

SECTION 1 ImageConverterIntensifier

No fixed ratings recorded.

Image-converter photocathode/electron-optical/fluorescent-screen structure.

The F9049 is a rugged infrared image-converter tube that produces a visible fluorescent-screen image from an infrared image and operates nominally at 16 kV.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Compagnie General

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

1958 COMPAGNIE GENERAL

Section 1 · ImageConverterIntensifier

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal Anode Voltage	16000 V	Continuous operation
Operating Anode Voltage Minimum	15000 V	—
Operating Anode Voltage Maximum	17000 V	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Anode Voltage	18000 V	10 seconds
Minimum Anode Voltage	10000 V	—
Maximum Continuous Photoelectric Current	0.025 μA	—
Maximum Short-Duration Photoelectric Current	0.5 μA	—

TUBE TINKER

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and their source documents.

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