

Pulsed image-converter tube functioning as an electronic shutter for extremely high-speed photographic imaging.

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 ImageConverterIntensifier

No fixed ratings recorded.

Image-converter/electronic-shutter structure; source is descriptive and does not publish a dense numeric rating table.

The ITT 6839 is a pulsed image-converter tube used as an electronic shutter for high-speed photography.

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 · ImageConverterIntensifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Function	Electronic shutter	—
Electron optics	Electrostatic focus	—
Input element	Photocathode	—
Output element	Phosphor screen	—
Application	High-speed photography	—
Operation	Pulsed	—
Tube electrical form	Diode-like image converter	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Recorded-event duration capability	Very short events	—

TUBE TINKER

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