

Unipotential magnetically focused image tube providing high resolution and low distortion, primarily for photographic use. It can operate under static or pulsed conditions for specialized image conversion and recording.

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
MAXIMUM PLATE VOLTAGE	10000 V

The FW-116 is a unipotential magnetically focused image tube capable of high resolution and low distortion, intended primarily for photographic use and operable under static or pulsed conditions.

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
Cathode Material	Cesium-antimony	—
Cathode Response	S-11	—
Cathode Luminous Sensitivity	30 uA/lm	—
Cathode Radiant Sensitivity	0.03 uA/uW	—
Cathode Useful Diameter	1.5 in	—
Phosphor	P-11	—
Paraxial Magnification	1	—
Resolution	50 lp/mm	—
Static Anode Voltage	10000 V	—
Magnetic Field Strength	450 G	—

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