ELECTRONIC TUBE REFERENCE

TH306A

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled Thomson-CSF high-gain planar ceramic-metal triode for linear television-translator service. Rated around 270 W dissipation and 2 kV, it provides high-gain professional broadcast amplification.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	5 V / 1.9 A	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode	
TRANSCONDUCTANCE	0.07 S
AMPLIFICATION FACTOR	230
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	270 W

Promoted from printed general-characteristics and maximum-ratings tables.

The Thomson-CSF TH306A is a forced-air-cooled high-gain planar ceramic/metal triode for linear television-translator service.

SOURCE OPERATING CONDITIONS

1972 Thomson CSF

SOURCE PDF

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

1972 THOMSON CSF

Section 1 · Triode

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	230	—
Transconductance	70000 uS	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode voltage	2000 V	—
Maximum anode dissipation	270 W	—
Maximum operating frequency	1000 MHz	—
Typical frequency	780 MHz	—
Typical anode voltage	1200 V	—
Typical anode current	100 mA	—
Gain	20 dB	—
Peak video power	25 W	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-anode/input capacitance	3.6 pF	—
Grid-cathode/output capacitance	14.65 pF	—
Cathode-anode capacitance	0.04 pF	—

Tube Tinker

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

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