



ELECTRONIC TUBE REFERENCE

HTG101

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

RFT high-frequency triode intended for amplification, oscillation, measurement, or microwave-frequency electronic service, with published heater and electrical characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 165 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	3.6 W
Published ratings and characteristics promoted where clearly stated. RFT HTG101 is an integrated pencil-triode and grounded-grid resonator oscillator using a triode corresponding to HT101/6C21. Designed for approximately 1782 MHz fixed-frequency transmission, including balloon-sonde applications; specified output is approximately 500 mW at 110 V anode and 30 mA. Limited frequency adjustment of about ± 10 MHz is made only with the anode-resonator tuning screw; other tuning elements must not be disturbed. Maximum plate voltage 200 V and dissipation 3.6 W.	

A triode intended for amplification, oscillation, measurement, or microwave-frequency service, with source-published heater and electrical characteristics.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1953 RFT Rundfunk Technik

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

1953 RFT RUNDFUNK TECHNIK

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
zeugung von Schwingungen einer festen Frequenz von	1.782 GHz	zeugung von Schwingungen einer festen Frequenz von 1,782 GHz, Er ist
Der Wellenwiderstand der Ausgangs-Koaxialleitung beträgt ca,	50 Ohm	Der Wellenwiderstand der Ausgangs-Koaxialleitung beträgt ca, 50 Ohm.

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ur 6,3 _ 0	9 V	Ur 6,3 _ 0:9 V & _L_Auskapplung
Ig	165 mA	Ig 165 mA 8 ; a
f 1782	10 MHz	f 1782 - 10 MHz ©! s
U	110 v	U 110 v z +—9
I	30 ma	I 30 ma 2)]
Pou1;	500 mW	Pou1; 500 mW S H'}

TUBE TINKER

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