



ELECTRONIC TUBE REFERENCE

ACT26

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

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled thoriated-tungsten transmitting triode for common-grid VHF amplifier service to approximately 300 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.5 V / 105 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.045 S
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM PLATE DISSIPATION	5000 W
MAXIMUM GRID DISSIPATION	150 W
Published maximum ratings and characteristics audited; remaining useful numerical data retained in TUBE_SECTION_PARAMETER.	

The ACT26 is a forced-air-cooled transmitting triode with a thoriated-tungsten filament for common-grid VHF amplifier service up to about 300 MHz.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
common grid circuits at frequencies up to	300 MHz	common grid circuits at frequencies up to 300 Mc/s.
at a pressure equal to a	4	at a pressure equal to a 4-in. head of water. The OF THE ANODE
filament seals also require to be cooled by air, and the [1]	0	filament seals also require to be cooled by air, and the 0-313'DIA —I '— BY 0'125"IN ANY
filament seals also require to be cooled by air, and the [2]	-313	filament seals also require to be cooled by air, and the 0-313'DIA —I '— BY 0'125"IN ANY
filament seals also require to be cooled by air, and the [3]	0	filament seals also require to be cooled by air, and the 0-313'DIA —I '— BY 0'125"IN ANY
filament seals also require to be cooled by air, and the [4]	125	filament seals also require to be cooled by air, and the 0-313'DIA —I '— BY 0'125"IN ANY
plied through a nozzle. The air inlet temperature	7	plied through a nozzle. The air inlet temperature 7
should not exceed [1]	35	should not exceed 35°C (95°F). All cooling supplies 0-813"
should not exceed [2]	95	should not exceed 35°C (95°F). All cooling supplies 0-813"
should not exceed [3]	0	should not exceed 35°C (95°F). All cooling supplies 0-813"
should not exceed [4]	-813	should not exceed 35°C (95°F). All cooling supplies 0-813"
voltages, and should continue for at least [1]	30 V	voltages, and should continue for at least 30 sec. after s. tn] 1 _E;—Ln 175

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
voltages, and should continue for at least [2]	1 V	voltages, and should continue for at least 30 sec. after s. tn] 1 _E;—Ln 175
voltages, and should continue for at least [3]	175 V	voltages, and should continue for at least 30 sec. after s. tn] 1 _E;—Ln 175
Filament Starting. The cold resistance of the filament = $i >$	3	Filament Starting. The cold resistance of the filament = $i > 3$
is [1]	0 mA	is 0-0064 Q. The filament current must never exceed
is [2]	-64 A	is 0-0064 Q. The filament current must never exceed
I	105	I 105 A ANODE. \ /
At frequencies above	100 MHz	At frequencies above 100 Mc/s the permissible anode
voltage must be reduced to the following percentages of [1]	50 V	voltage must be reduced to the following percentages of 50 *0-063"
voltage must be reduced to the following percentages of [2]	0 V	voltage must be reduced to the following percentages of 50 *0-063"
voltage must be reduced to the following percentages of [3]	-63 V	voltage must be reduced to the following percentages of 50 *0-063"