



ELECTRONIC TUBE REFERENCE

ACT22

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Forced-air-cooled disc-seal transmitting triode for UHF amplifier and oscillator service in coaxial-line circuits, including pulse operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 4 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.02 S
AMPLIFICATION FACTOR	22
MAXIMUM PLATE VOLTAGE	600 V
MAXIMUM PLATE DISSIPATION	75 W
<i>Published maximum ratings and characteristics audited; remaining useful numerical data retained in TUBE_SECTION_PARAMETER. Marconi ACT22 forced-air-cooled disc-seal transmitting triode for UHF amplifier/oscillator operation to approximately 1000 MHz, also pulse service. Approximate amplification factor 22. Anode and grid-seal forced-air cooling must operate before supply voltages are applied and continue until voltages have been removed.</i>	

The ACT22 is a forced-air-cooled disc-seal transmitting triode for UHF amplifier and oscillator service in coaxial-line circuits, including pulse operation.

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
Published value	1000 MHz	1,000 Mc/s, and also for pulse operation. imposing strain on the glass work or on the cemented
The grid sea.l also requires to be cooled by air fmd the Va max,	600	The grid sea.l also requires to be cooled by air fmd the Va max,600 V gn (takenathlpxx) S0mA/V
a pressure equal to a	1	a pressure equal to a 1-in. head of water. All cooling & (max) a-gl P
any supply voltages, and must continue until after all Igt maxy [1]	60 V	any supply voltages, and must continue until after all Igt maxy 60 mA Caox 13-5 pF
any supply voltages, and must continue until after all Igt maxy [2]	13 V	any supply voltages, and must continue until after all Igt maxy 60 mA Caox 13-5 pF
any supply voltages, and must continue until after all Igt maxy [3]	-5 V	any supply voltages, and must continue until after all Igt maxy 60 mA Caox 13-5 pF
voltages have been removed. u	22 V	voltages have been removed. u 22
PERFORMANCE OF ACT	22	PERFORMANCE OF ACT 22 AS COMMON-GRID AMPLIFIER