



## ELECTRONIC TUBE REFERENCE

## ACT16

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

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Industrial transmitting power triode intended for RF amplification, oscillation, or modulation. Manufacturer data emphasize substantial plate power, professional transmitter operation, and construction suited to continuous high-power service.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 19 V / 100 A      | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                            |         |
|----------------------------------------------------------------------------------------------------------------------------|---------|
| SECTION1 Triode                                                                                                            |         |
| TRANSCONDUCTANCE                                                                                                           | 0.01 S  |
| MAXIMUM PLATE VOLTAGE                                                                                                      | 15000 V |
| MAXIMUM PLATE DISSIPATION                                                                                                  | 15000 W |
| MAXIMUM GRID DISSIPATION                                                                                                   | 500 W   |
| Published maximum ratings and characteristics audited; remaining useful numerical data retained in TUBE_SECTION_PARAMETER. |         |

The ACT16 is a forced-air-cooled transmitting triode with a tungsten filament for very-high-power high-frequency amplifier, oscillator, and modulator service.

## 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                                                        | 312             | 312" FLEXIBLE GRID                                                           |
| a                                                                      | 10              | a 10-in. head of water. The filament seal also requires                      |
| cooling supplies must be started before the application PROJECTION [1] | 8               | cooling supplies must be started before the application PROJECTION 8-5       |
| cooling supplies must be started before the application PROJECTION [2] | -5              | cooling supplies must be started before the application PROJECTION 8-5       |
| of any supply voltages, and the temperature of the air [1]             | 10 V            | of any supply voltages, and the temperature of the air 10-375" CENTRE 8-375" |
| of any supply voltages, and the temperature of the air [2]             | -375 V          | of any supply voltages, and the temperature of the air 10-375" CENTRE 8-375" |
| of any supply voltages, and the temperature of the air [3]             | 8 V             | of any supply voltages, and the temperature of the air 10-375" CENTRE 8-375" |
| of any supply voltages, and the temperature of the air [4]             | -375 V          | of any supply voltages, and the temperature of the air 10-375" CENTRE 8-375" |
| FILAMENT PINS                                                          | 3225            | FILAMENT PINS 3225                                                           |
| is approximately [1]                                                   | 0 mA            | is approximately 0-0167 Q. The filament current must (T-----?   I 25 b       |
| is approximately [2]                                                   | -167 mA         | is approximately 0-0167 Q. The filament current must (T-----?   I 25 b       |
| is approximately [3]                                                   | 25 mA           | is approximately 0-0167 Q. The filament current must (T-----?   I 25 b       |
|                                                                        |                 |                                                                              |

