



ELECTRONIC TUBE REFERENCE

DET18

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Directly heated triode for transmitting and RF power service; available source material does not establish a narrower application confidently.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.044 S
AMPLIFICATION FACTOR	32.5
MAXIMUM PLATE VOLTAGE	2000 V
MAXIMUM PLATE DISSIPATION	50 W
MAXIMUM CATHODE CURRENT	2 A
Applicable promoted ratings mapped semantically from the printed approximate-data/ratings tables; useful non-promoted operating, capacitance and service data retained in TUBE_SECTION_PARAMETER.	

Thoriated-tungsten transmitting triode for oscillator and HF-amplifier service to about 120 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
Grid Current Maximum	35 mA	—
Peak Cathode Current Maximum	2 A	—
Frequency Maximum	120 MHz	—
Anode-Grid Capacitance	1.7 pF	—
Anode-Cathode Capacitance	0.17 pF	—
Grid-Cathode Capacitance	4.6 pF	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance at 700V/500mA	0.044 A/V	—