



ELECTRONIC TUBE REFERENCE

DET22

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Indirectly heated disc-seal triode for common-grid coaxial VHF/UHF oscillator and power-amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 400 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.006 S
AMPLIFICATION FACTOR	30
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	10 W
<i>Highest reliable published rating promoted; remaining microwave/RF operating data retained as parameters. Marconi DET22 indirectly heated disc-seal VHF/UHF triode for common-grid coaxial oscillator or power-amplifier operation. Maximum plate voltage 350 V, dissipation 10 W; peak anode current 150 mA is a pulse-specific limit, not unrestricted DC cathode current. Transconductance 6 mA/V at 250 V plate, 20 mA plate current. Anode seal temperature must not exceed 140°C.</i>	

The Marconi DET22 is a indirectly heated disc-seal triode for common-grid coaxial vhf/uhf oscillator and power-amplifier 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
Heater/filament voltage	6.3 V	—
Maximum/service frequency	3000 MHz	—
Focusing/service wavelength minimum	7 cm	—
Focusing/service wavelength maximum	30 cm	—
Maximum anode seal temperature	140 C	—
Heater voltage	6.3 V	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Primary application	Common-grid coaxial oscillator and power amplifier	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Construction	Disc-seal triode	—

TUBE TINKER

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