



ELECTRONIC TUBE REFERENCE

DET24

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Disc-seal triode for coaxial-line VHF/UHF amplifier and oscillator service to approximately 2 GHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.012 S
AMPLIFICATION FACTOR	28
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM GRID DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	600 mA
Highest reliable published rating promoted; remaining microwave/RF operating data retained as parameters.	

The Marconi DET24 is a disc-seal triode for coaxial-line vhf/uhf amplifier and oscillator service to 2 ghz.

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	—
Heater/filament current	1 A	—
Maximum plate voltage	400 V	—
Maximum plate dissipation	20 W	—
Maximum grid dissipation	1 W	—
Maximum cathode/plate current	600 mA	—
Maximum/service frequency	2000 MHz	—
Peak plate current	600 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	28	—
Transconductance	12000 μ S	—

TUBE TINKER

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and their source documents.

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