



ELECTRONIC TUBE REFERENCE

DET23

Voltage - Triode (single high frequency) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Indirectly heated disc-seal UHF triode for Class-A common-grid coaxial 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	0.007 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	350 V
MAXIMUM PLATE DISSIPATION	5 W
<i>Highest reliable published rating promoted; remaining microwave/RF operating data retained as parameters. Marconi DET23 indirectly heated disc-seal Class A UHF triode for common-grid coaxial amplification. Maximum plate voltage 350 V, plate dissipation 5 W; published transconductance 7 mA/V at 250 V plate and 10 mA plate current, amplification factor 70. Anode seal temperature must not exceed 140°C and requires adequate thermal contact.</i>	

The Marconi DET23 is a indirectly heated disc-seal uhf triode for class-a common-grid coaxial 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 plate dissipation	5 W	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Amplification factor	70	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-plate capacitance	—	—
Plate-cathode capacitance	2.2 pF	—
Grid-cathode capacitance	—	—

TUBE TINKER

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and their source documents.

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