



ELECTRONIC TUBE REFERENCE

U37

Rectifier - TV Line Scan Boost electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Marconi subminiature directly heated high-voltage half-wave rectifier for EHT supplies, providing approximately 15 kV inverse-voltage capability at low current.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	1.4 V / 140 mA	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	15000 V
NOMINAL OUTPUT CURRENT	2 mA
PEAK FORWARD CURRENT	12 mA

The Marconi U37 is a subminiature directly heated high-voltage half-wave rectifier for eht 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 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater/filament voltage	1.4 V	—
Heater/filament current	140 mA	—
Peak inverse voltage	15000 V	—
Nominal/maximum output current	2 mA	—
Peak anode current	12 mA	—
Surge anode current	40 mA	—

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Rectifier topology	Half-wave	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode capacitance	0.65 pF	—

TUBE TINKER

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