



ELECTRONIC TUBE REFERENCE

PABC80

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL DATA
4 SECTIONS
CONSTRUCTION

DIODE-DIODE-DIODE-
TRIODE

Triple-diode triode for television and radio signal detection followed by audio amplification. Three diodes accommodate video, FM, and AM detector functions while the triode provides recovered-signal voltage gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	9.5 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W
Published section ratings and characteristics promoted where applicable.	

SECTION2 Diode	
MAXIMUM PLATE VOLTAGE	250 V
PEAK INVERSE VOLTAGE	350 V
NOMINAL OUTPUT CURRENT	10 mA
PEAK FORWARD CURRENT	75 mA
Published section ratings and characteristics promoted where applicable.	

SECTION3 Diode

No fixed ratings recorded.

Published section ratings and characteristics promoted where applicable.

SECTION4 Diode

No fixed ratings recorded.

Physical diode section added during approved section-structure reconciliation.

Triple-diode triode with a 300 mA heater; this supplied sheet explicitly refers to UABC80 for ratings, characteristics, and operating conditions.



SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1953 RFT RUNDFUNK TECHNIK

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	6.3 V	Nominal
HeaterCurrentNominal	450 mA	Nominal
Maximum Plate Voltage	300 V	—
Maximum Plate Dissipation	1 W	—

1953 RFT RUNDFUNK TECHNIK

Section 2 · Diode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	9.5 V	Published nominal value
Heater current	300 mA	Published nominal value
Transconductance	1500 μ S	Published operating characteristic



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

Published test conditions and operating points. Values on this page are preserved as reported by this source.

195X TESLA

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	9.5 V	Published nominal value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	300 mA	Published nominal value
Warm-up time	16 s	Published value



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1967 Mullard Receiving Tubes for Maintenance

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1967 MULLARD RECEIVING TUBES FOR MAINTENANCE

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triple diode triode with	300 mA	Published in approved PABC80.pdf target datasheet; Section1
Ih	300 mA	Published in approved PABC80.pdf target datasheet; Section1

1967 MULLARD RECEIVING TUBES FOR MAINTENANCE

Section 2 · Diode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Triple diode triode with	300 mA	Published in approved PABC80.pdf target datasheet; Section2
Ih	300 mA	Published in approved PABC80.pdf target datasheet; Section2



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1972 Philips Receiving Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1972 PHILIPS RECEIVING TUBES

Section 1 · Triode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	AFAmplifier text	—

1972 PHILIPS RECEIVING TUBES

Section 2 · Diode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Video_FM_AM_Detector text	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1999 Philips E-Z

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1999 PHILIPS E-Z

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater current	300 mA	Heater current If 300 mA
Heater voltage	9.5 V	Heater voltage Vi 9.5 V

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes, and their source documents.

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