ELECTRONIC TUBE REFERENCE

240B

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

Transmitting power triode intended for RF amplifier and oscillator service. Its manufacturer ratings and operating conditions identify it as a substantial radio-frequency power device suitable for transmitter applications.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	20 V / 4 A	**PARALLEL HEATER**	— / —
HEATING	Direct	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Triode

TRANSCONDUCTANCE	0.005 S
AMPLIFICATION FACTOR	40
MAXIMUM PLATE VOLTAGE	12000 V
MAXIMUM PLATE DISSIPATION	10000 W

Published ratings/characteristics promoted from the approved datasheet.

The Western Electric 240B is a triode listed in the supplied catalog table. It is a water-cooled transmitting type intended for high-power RF service.

SOURCE OPERATING CONDITIONS

1936 Cossor Valve Manual

SOURCE PDF

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

1936 COSSOR VALVE MANUAL

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum anode current swing	50 mA	Published datasheet value

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

193X Cossor

SOURCE PDF

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

193X COSSOR

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/Heater Voltage	20 V	Published technical-data value
Filament/Heater Current	4 A	Published technical-data value

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

1956 Western Electric Tubes

SOURCE PDF

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

1956 WESTERN ELECTRIC TUBES

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum/Typical Power Output	**5000 W**	Catalog-table value

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum Plate Voltage	**12000 V**	Catalog-table value
Maximum Plate Dissipation	**10000 W**	Catalog-table value

Tube Tinker

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

Catalog Tube types Full books Blog Feedback & corrections

© 2026 Tube Tinker