



ELECTRONIC TUBE REFERENCE

HABC80

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

CONSOLIDATED TECHNICAL DATA

4 SECTIONS

CONSTRUCTION

DIODE-DIODE-DIODE-
TRIODE

Triple-diode triode for AM/FM radio demodulation and audio amplification. Three diode systems provide multiple detector functions while the triode supplies subsequent AF voltage gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	19 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	48000 Ω
TRANSCONDUCTANCE	0.00145 S
AMPLIFICATION FACTOR	70
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	5 mA
<i>Triode section; electrical data otherwise same as EABC80 per source. HABC80 triple-diode triode for AM/FM demodulation and AF amplification. Lorenz states that electrical ratings and characteristic curves are the same as EABC80 except for its 19 V, 150 mA series heater. Triode typical gm 1.45 mA/V, mu 70, rp 48 kΩ; published maxima include plate 300 V, dissipation 1 W and cathode current 5 mA.</i>	

SECTION2 Diode

No fixed ratings recorded.

Diode section 1. Physical diode 1 of the Lorenz HABC80 triple-diode triode for AM/FM detector service. The manufacturer identifies equivalence to EABC80 other than heating, but specific distinct diode limiting values are held pending confirmation of the diode-to-section assignment.

SECTION3 Diode

No fixed ratings recorded.

Diode section 2. Physical diode 2 of the Lorenz HABC80 triple-diode triode for AM/FM detector service. Distinct numerical diode maximum ratings are not promoted pending confirmation of diode-to-section assignment.

SECTION4 Diode

No fixed ratings recorded.

Diode section 3. Physical diode 3 of the Lorenz HABC80 triple-diode triode for AM/FM detector service. Distinct numerical diode maximum ratings are not promoted pending confirmation of diode-to-section assignment.

Triple-diode triode for AM/FM demodulation and AF amplification.