

ELECTRONIC TUBE REFERENCE

7B6LM

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

CONSOLIDATED TECHNICAL DATA

3 SECTIONS
CONSTRUCTION
DIODE-DIODE-TRIODE

Double-diode triode combining radio detector and AVC rectification with subsequent voltage amplification. The paired diodes handle signal and control-voltage functions while the triode provides receiver audio or voltage gain.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	91000 Ω
TRANSCONDUCTANCE	0.0011 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	250 V
Published ratings and characteristics promoted from the approved RCA source.	

SECTION2 Diode	
No fixed ratings recorded.	
Representative section for two detector diodes sharing the common cathode.	

SECTION3 Diode

No fixed ratings recorded.

Physical diode section added during approved section-structure reconciliation.

Duplex-diode high-mu triode for detector, AVC and audio-frequency voltage-amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1940 RCA

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

1940 RCA

Section 2 · Diode

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Detector_AVC text	—