



ELECTRONIC TUBE REFERENCE

12BR3

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Indirectly heated high-current television damper diode, electrically equivalent to 6BR3 except heater rating. Its controlled-warm-up construction is intended for horizontal-deflection energy-recovery service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	E9-11	BASE PINS	9
NOMINAL HEATER	12.6 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE DISSIPATION	6.5 W
PEAK INVERSE VOLTAGE	5500 V
NOMINAL OUTPUT CURRENT	200 mA
PEAK FORWARD CURRENT	1.2 A
<i>Same electrical ratings as 6BR3 except heater rating.</i>	

Electrically identical to 6BR3 except heater rating; controlled heater warm-up.

SOURCE OPERATING CONDITIONS

1982 Toshiba

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

1982 TOSHIBA

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Plate Voltage	5500 V	TVDamperService
Peak Plate Current	1.2 A	TVDamperService
DC Plate Current	200 mA	TVDamperService
Plate Dissipation	6.5 W	TVDamperService

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube Voltage Drop	19 V	I _b =250mA DC

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater-Cathode Capacitance	3 pF	—
Cathode-to-Plate-and-Heater Capacitance	10.5 pF	—
Plate-to-Cathode-and-Heater Capacitance	8.5 pF	—

TUBE TINKER

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and their source documents.

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