



ELECTRONIC TUBE REFERENCE

12B3

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Canadian Westinghouse 12B3 indirectly heated television horizontal-deflection damper diode with 12.6 V 0.6 A heater, 4400 V peak inverse voltage and cathode top cap.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	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	
PEAK INVERSE VOLTAGE	4400 V
PEAK FORWARD CURRENT	750 mA
FORWARD VOLTAGE DROP	32 V
WARM-UP TIME	11 s
<p>Canadian Westinghouse 12B3 TV horizontal-deflection damper diode. PIV 4400 V; steady-state peak plate current 750 mA, transient peak 3 A; maximum DC plate current 150 mA (not nominal rectifier output). Forward voltage drop 32 V at 250 mA. Heater-cathode voltage is polarity and waveform dependent, so no unconditional scalar promoted: heater positive +100 V DC or +300 V combined DC+peak; heater negative 900 V DC or 4400 V combined DC+peak. Heater warm-up 11 s. Capacitances H-K 2.7 pF, plate-to-cathode/heater 5.3 pF.</p>	

TUBE TINKER

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