



ELECTRONIC TUBE REFERENCE

PY800

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Booster or damper diode for 110-degree television deflection, providing approximately 5.25 kV inverse-voltage capability and 150 mA rectified current for line-output recovery.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	19 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	5250 V
NOMINAL OUTPUT CURRENT	150 mA
PEAK FORWARD CURRENT	350 mA
MAXIMUM HEATER-CATHODE VOLTAGE	6000 V
<i>Published Ferranti ratings and characteristics promoted where applicable; additional operating and application data retained as parameters.</i>	

Booster/damper diode for television receivers using 110-degree CRT deflection.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Ferranti Technical Handbook

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

1961 FERRANTI TECHNICAL HANDBOOK

Section 1 · Rectifier

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Television booster / damper diode	—
Deflection-system application	110-degree CRT	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Rectifier

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode capacitance	6 pF	—
Heater-cathode capacitance	2.2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pulse duration maximum	18 us	Pulse

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Television booster / damper diode	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1973 Mazda Valves Binder 2

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

1973 MAZDA VALVES BINDER 2

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	19 V	Published nominal value
Heater current	300 mA	Published nominal value

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak heater-cathode voltage	5.75 kV	Heater negative