



ELECTRONIC TUBE REFERENCE

11E3

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Industrial beam-power modulator valve designed for series and break-modulator pulse service, with kilovolt quiescent operation and peak anode-voltage capability exceeding 12 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4.2 V / 2.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
MAXIMUM PLATE VOLTAGE	3500 V
MAXIMUM SCREEN VOLTAGE	700 V
MAXIMUM PLATE DISSIPATION	10 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	2.5 A

11E3 BeamPower from Ediswan/Mazda datasheet; full semantic ratings and characteristics audit.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Beam Power

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode voltage	12800 V	—
Maximum negative control-grid bias	-700 V	—
Break-modulator screen dissipation	2 W	—
Maximum heater-cathode voltage	150 V	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 AEI Industrial Valves

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

1961 AEI INDUSTRIAL VALVES

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode voltage	12500 V	BreakModulator
Maximum control-grid negative bias	-700 V	—
Maximum heater-cathode voltage	150 V	—
Quiescent anode voltage	2500 V	SeriesModulator
Quiescent anode voltage	500 V	BreakModulator

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-common capacitance	0.26 pF	—
Control-grid-earth capacitance	20 pF	—



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Associated Electrical Industries

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

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode voltage	12500 V	BreakModulator
Maximum control-grid negative bias	-700 V	—
Maximum heater-cathode voltage	150 V	—
Quiescent anode voltage	2500 V	SeriesModulator
Quiescent anode voltage	500 V	BreakModulator

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-common capacitance	0.26 pF	—
Control-grid-earth capacitance	20 pF	—

TUBE TINKER

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