



ELECTRONIC TUBE REFERENCE

33HE7

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-DIODE

Combination television tube integrating a damper diode with a beam-power horizontal-deflection section for compact line-scan output and energy-recovery service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	33.6 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

WARM-UP TIME	11 s
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High-perveance damping diode; source sheet states electrical identity to 6HE7/12HE7/38HE7/S8HE7 except heater.

SECTION2 Beam Power

No fixed ratings recorded.

Horizontal-deflection beam-power pentode; source sheet states electrical identity to related HE7 types except heater.

High-perveance damper diode plus beam-power pentode horizontal-deflection amplifier.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Diode

CROSSREFERENCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cross-reference / electrical identity	6HE7 / 12HE7 / 38HE7 / S8HE7	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Damping diode	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater warm-up time	11 s	—

1964 RMA EIA

Section 2 · Beam Power

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Horizontal-deflection amplifier	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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