



ELECTRONIC TUBE REFERENCE

11FY7

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Dissimilar dual triode, electrically equivalent to 6FY7/15FY7 apart from heater characteristics, combining a high-mu section with a low-mu, pulse-capable power output section.

GENERAL CHARACTERISTICS

BASE DESIGNATION	12E0	BASE PINS	12
NOMINAL HEATER	11 V / 450 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	40500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	65
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	1 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Oscillator section. Source is a product-information/reference sheet and does not print the referenced base tube's section ratings/characteristics; promoted fields intentionally not inferred from an external datasheet.</i>	

SECTION2 Triode	
PLATE RESISTANCE	920 Ω
TRANSCONDUCTANCE	0.0065 S
AMPLIFICATION FACTOR	6
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	7 W
MAXIMUM CATHODE CURRENT	50 mA
<i>Vertical-deflection amplifier section. Source is a product-information/reference sheet and does not print the referenced base tube's section ratings/characteristics; promoted fields intentionally not inferred from an external datasheet.</i>	

Duodecar dual triode combining an oscillator section and a low-mu power section for vertical-deflection service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

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

1975 RCA RC30

Section 1 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	250 V	ClassA
Grid voltage	-3 V	ClassA
Plate current	1.4 mA	ClassA
Average cathode current	20 mA	VerticalDeflection

1975 RCA RC30

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	150 V	ClassA
Grid voltage	-17.5 V	ClassA
Plate current	35 mA	ClassA
Peak positive-pulse plate voltage	2000 V	VerticalDeflection
Average cathode current	50 mA	VerticalDeflection

TUBE TINKER

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