



ELECTRONIC TUBE REFERENCE

12Y4

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

12Y4 indirectly heated common-cathode dual-diode full-wave rectifier with British five-pin base, 12.8 V 0.15 A heater and 420 V peak inverse voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	5
NOMINAL HEATER	12.8 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	420 V
NOMINAL OUTPUT CURRENT	8 mA
PEAK FORWARD CURRENT	50 mA
FORWARD VOLTAGE DROP	8 V
MAXIMUM HEATER-CATHODE VOLTAGE	150 V
<i>RMA 1944 12Y4 plate1 pin4 to common cathode center pin. Per-plate maximum AC supply 150 V RMS, PIV 420 V, peak steady-state current 50 mA, rectified DC output 8 mA. Forward drop 8 V measured at 16 mA DC per plate. Heater-cathode max 150 V DC. Plate1 capacitance to cathode/heater 4.7 pF. Plate-to-plate capacitance 0.7 pF, measured with MS-311 shield connected to cathode.</i>	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	420 V
NOMINAL OUTPUT CURRENT	8 mA
PEAK FORWARD CURRENT	50 mA
FORWARD VOLTAGE DROP	8 V
MAXIMUM HEATER-CATHODE VOLTAGE	150 V
<i>RMA 1944 12Y4 plate2 pin2 to common cathode center pin. Per-plate maximum AC supply 150 V RMS, PIV 420 V, peak steady-state current 50 mA, rectified DC output 8 mA. Forward drop 8 V measured at 16 mA DC per plate. Heater-cathode max 150 V DC. Plate2 capacitance to cathode/heater 5.0 pF. Plate-to-plate capacitance 0.7 pF, measured with MS-311 shield connected to cathode.</i>	

TUBE TINKER

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