



ELECTRONIC TUBE REFERENCE

5514

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Hytron 5514 directly heated high-mu 65 W transmitting power triode for Class C RF and Class B audio service, with 7.5 V 3 A filament and 1.5 kV plate rating.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	7.5 V / 3 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0051 S
AMPLIFICATION FACTOR	145
MAXIMUM PLATE VOLTAGE	1500 V
MAXIMUM PLATE DISSIPATION	65 W
Hytron 5514 transmitting power triode, RMA 1947. Filament thoriated tungsten 7.5 V 3 A. Maximum plate 1500 V DC, dissipation 65 W for Class C CW/FM and Class B AF, plate current 175 mA DC, grid current 60 mA DC, negative grid bias -200 V limit, positive peak RF grid +125 V. Class C telephony with 100% AM: plate 1250 V max, dissipation 43 W, DC plate input 175 W. Mu 145, gm 0.0051 A/V at plate 1000 V grid 0 V. Cgp 1.9 pF, input 7.8 pF, output 1.0 pF. Full RF rating 60 MHz; at 80 MHz 75% and 100 MHz 60% max plate voltage/input. Class B RF at plate 1000 V ~120 W RF output for ~3.5 W drive; Class C ~132 W for 8.7 W drive. Two-tube Class B audio tables must not be confused with per-section ratings. No conventional rp specified. Medium 4-pin base dual grid connections, plate top cap; vertical filament plane mounting required.	

AUDIO AMPLIFIER HIGH-MU TRIODE The 5514 is a 65-watt, high-mu, all-purpose transmitting triode designed for highly efficient operation over a wide range of plate voltages in either audio or r-f

applications, It has a low internal tube drop for maximum efficiency, dual base connections to the grid, zirconium-coated graphite plate, and lava-insulated plate cap.

TUBE TINKER

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