



ELECTRONIC TUBE REFERENCE

6854

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Bendix 6854 rugged hard-glass dual triode with 6.3 V 500 mA heater, 300°C bulb rating and 10,000-hour life expectancy.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
PLATE RESISTANCE	6500 Ω
TRANSCONDUCTANCE	0.005225 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Bendix 6854 TE-47 high-reliability hard-glass dual triode, physical section 1. Max plate 300 V, dissipation 1.5 W, cathode current 20 mA, max positive grid 0 V, heater-cathode 300 V, grid circuit resistance 1 MΩ. Typical Class A1 at V_a 150 V, R_k 240 Ω, I_a 8.2 mA, μ 35, r_p 6500 Ω, g_m 0.005225 A/V. Unshielded C_{gp} 1.7 pF, input 2.4 pF, output approx 1.1 pF, inter-plate coupling 0.10 pF. Heater 6.3 V 0.5 A total. Max bulb 300°C, life 10000 h, 9FV basing (not in canonical catalog).</i>	

SECTION2 Triode	
PLATE RESISTANCE	6500 Ω
TRANSCONDUCTANCE	0.005225 S
AMPLIFICATION FACTOR	35
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	1.5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Bendix 6854 TE-47 high-reliability hard-glass dual triode, physical section 2. Max plate 300 V, dissipation 1.5 W, cathode current 20 mA, max positive grid 0 V, heater-cathode 300 V, grid circuit resistance 1 MΩ. Typical Class A1 at Va 150 V, Rk 240 Ω, Ia 8.2 mA, mu 35, rp 6500 Ω, gm 0.005225 A/V. Unshielded Cgp 1.7 pF, input 2.4 pF, output approx 1.1 pF, inter-plate coupling 0.10 pF. Heater 6.3 V 0.5 A total. Max bulb 300°C, life 10000 h, 9FV basing (not in canonical catalog).</i>	

Reliable hard-glass double triode.