

ELECTRONIC TUBE REFERENCE

6955

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
TRIODE-TRIODE

CBS-Hytron 6955 medium-mu dual triode for high-peak-current blocking oscillators, pulse modulators and multivibrators, with series/parallel heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9A	BASE PINS	9
NOMINAL HEATER	6.3 V / 350 mA	PARALLEL HEATER	6.3 V / 350 mA
HEATING	Indirect	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9A - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 2P	B	P – Plate (Anode)	CONNECTED
PIN2 – 2G1	B	G1 – Control Grid	CONNECTED
PIN3 – 2K	B	K – Cathode	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN5 – H	–	H – Heater	CONNECTED
PIN6 – 1P	A	P – Plate (Anode)	CONNECTED
PIN7 – 1G1	A	G1 – Control Grid	CONNECTED
PIN8 – 1K	A	K – Cathode	CONNECTED
PIN9 – HCT	–	HCT – Heater Center Tap	CONNECTED

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7000 Ω
TRANSCONDUCTANCE	0.00235 S
AMPLIFICATION FACTOR	16.5
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.75 W
MAXIMUM CATHODE CURRENT	20 mA
<i>CBS-Hytron 6955 pulse-modulator dual triode section 1. Design-center Class A max plate 300 V, dissipation 2.75 W, cathode current 20 mA, fixed bias grid resistor 0.25 MΩ, self-bias 1 MΩ. Typical V_a 250 V V_g -8.5 V I_a 11.5 mA, μ 16.5, r_p 7000 Ω, g_m 0.00235 A/V; alternate V_a 100 V V_g 0 V I_a 13 mA, μ 21.3, r_p 5800 Ω, g_m 0.0035 A/V. Separate PULSE service max plate SUPPLY 400 V, peak plate 1.25 A, peak cathode 2.2 A, peak grid 0.9 A, peak positive grid +200 V, grid dissipation 0.6 W, plate dissipation 1.35 W at duty 0.0035, pulse 1.5 μs, 2300 pps; NOT continuous ratings. C_{gp} 1.4 pF, input 1.5 pF, output 0.5 pF, interplate 0.8 pF.</i>	

SECTION2 Triode	
PLATE RESISTANCE	7000 Ω
TRANSCONDUCTANCE	0.00235 S
AMPLIFICATION FACTOR	16.5
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	2.75 W
MAXIMUM CATHODE CURRENT	20 mA
<i>CBS-Hytron 6955 pulse-modulator dual triode section 2. Design-center Class A max plate 300 V, dissipation 2.75 W, cathode current 20 mA, fixed bias grid resistor 0.25 MΩ, self-bias 1 MΩ. Typical V_a 250 V V_g -8.5 V I_a 11.5 mA, μ 16.5, r_p 7000 Ω, g_m 0.00235 A/V; alternate V_a 100 V V_g 0 V I_a 13 mA, μ 21.3, r_p 5800 Ω, g_m 0.0035 A/V. Separate PULSE service max plate SUPPLY 400 V, peak plate 1.25 A, peak cathode 2.2 A, peak grid 0.9 A, peak positive grid +200 V, grid dissipation 0.6 W, plate dissipation 1.35 W at duty 0.0035, pulse 1.5 μs, 2300 pps; NOT continuous ratings. C_{gp} 1.4 pF, input 1.5 pF, output 0.4 pF, interplate 0.8 pF.</i>	

The CBS 6955 is a medium- μ dual triode for square-wave modulators, blocking oscillators, multivibrators, and high-peak-power pulse circuits.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 CBS Hytron

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

1960 CBS HYTRON

Section 1 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Pulse Current	2 A	PulseDuration<=10us
Warmup Time	10 s	To 80 percent stabilized plate current

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