333 334

Color Television Type			
BURST AMPLIFIER (P) VIDEO AMPLIFIER (T)		UNIDO 5M B8	
Medium Mu Triode and Sharp Cutoff Pentode	. "	9 et	\wedge
ConstructionMiniature T-6½ BaseButton 9 Pin, E9-1 Basing			те !
ELECTRICAL DATA HEATER OPERATION	,	5MB8	6MB8
Heater Voltage Heater Current Heater Warm-up Time Maximum Heater-Cathode Voltage Heater Negative with Respect to Cathode		450	6.3 Volts 400 Ma — Seconds
Total DC and Peak			200 Volts
DC Total DC and Peak DIRECT INTERELECTRODE CAPACITANCES			100 Volts 200 Volts
Triode Section Grid to Plate			1.4 Pf
Input: g1 to $(Tk + Pk + Pg3 + IS + h)$ Output: p to $(Tk + Pk + Pg3 + IS + h)$			2.2 Pf 1.9 Pf
Pentode Section Grid No. 1 to Plate (Max.)			0.015 Pf
Input: g1 to $(k + g3 + IS + g2 + h)$			5.5 Pf
Output: p to (k + g3 + IS + g2 + h)			3.4 Pf
RATINGS (Design Maximum Rating System)		Triode Section	Pentode Section
Plate Voltage (Max.)		280	280 Volts 280 Volts
Grid No. 2 Supply Voltage (Max.) Grid No. 2 Pulse Voltage (Max.) ⁽¹⁾	•••••	·: _	300 Volts
Grid No. 2 Voltage	See Rating	Chart (Gen. In	fo. Sec.)
Cathode Current (Max.)		20	20 Ma
Plate Dissipation (Max.)		2.0	2.0 Watts 0.5 Watt
Grid No. 2 Dissipation (Max.) Positive Grid No. 1 Voltage (Max.) Maximum Grid No. 1 Circuit Resistance			0 Volt
Self Bias (Max.)			0.25 Megohm
Fixed Bias (Max.) Control grid to cathode spacing of the pentor	de section of	1.0 this type is of	0.5 Megohm such low order of
magnitude as to preclude the use of voltage DC and peak AC in commercial tube checke where mechanical excitation of the tube is of CHARACTERISTICS AND TYPICAL OPERATIO	between these rs and shorts employed.	e elements of r	nore than 30 volts
Class A1 Amplifier		Triode Section	Pentode Section
Plate Voltage			125 Volts
Grid No. 2 Voltage Grid No. 1 Voltage			0 Volts
Cathode Bias Resistor		68	33 Ohms
Plate Current Grid No. 2 Current		13	10 Ma 2.8 Ma
Transconductance Amplification Factor		40	12,000 µmhos
riale Resistance (Approx.)		6000	125,000 Ohms
Ec1 for $Ib = 100 \ \mu a$ Ec1 for $Ib = 50 \ \mu a$		F	- Volts
NUTE:			–3 Volts
(1) Rating determined at television horizontal	deflection su	veep frequency	of 15 750 Hertz