

7058

HIGH-MU TWIN TRIODE

9-PIN MINIATURE TYPE

For use in mobile communications equipment operating from 6-cell storage-battery systems. Useful in phase-inverter, resistance-coupled-amplifier, and low-frequency-oscillator applications.

GENERAL DATA
Electrical:
Heater, for Unipotential Cathodes: Voltage range 12 to 15 ac or dc voltage current (Approx.) at 13.5 volts 0.155
13.5 volts 0.155 am Direct Interelectrode Capacitances:
Grid to plate 1.7
Characteristics, Class A, Amplifier (Each Unit):
Heater Voltage
μ a = 105 volt
Mechanical: Operating Position
Unit No.2 Pin 2-Grid of Unit No.2 Pin 3-Cathode of Unit No.2 Pin 4-Heater Pin 5-Heater Pin 6-Plate of Unit No.1 See next page. Unit No.1 Unit No.1 Pin 8-Cathode of Unit No.1 Pin 9-Internal Connection— Do Not Use



AMPLIFIER - C	lass A	ı		
Values are for E	Each Un	it		
Maximum Ratings, Absolute Values:				
PLATE VOLTAGE		. 33	30 max.	volts
Positive-bias value		-	0 max.	
Negative-bias value			55 max.	
PLATE DISSIPATION			1 max.	
Heater negative with respect to a			20 max.	_
Heater positive with respect to d	cathode	2. 12	20 max.	VOITS
Typical Operation as Resistance-Co	oupled	Amplifi	er (Eac	ch Unit):
See RESISTANCE-COUPLED AM.				
at front of Receivin	g Tube	Section	n	
Maximum Circuit Values:				
Grid-Circuit Resistance:				
For fixed-bias operation For cathode-bias operation		. 0.	5 max.	megohm
for cathode-bias operation	• • •	•	1 max.	megohm
O Without external shield.				
without external official				
CHARACTERISTICS DANGE VALUES	; EVD E	ALL I DIMEN	T DEG!	C M
CHARACTERISTICS RANGE VALUES		-		
CHARACTERISTICS RANGE VALUES Values are for Each Unit Unle	ss Oth	erwise	Specif	
Values are for Each Unit Unle	ess Oth Note	erwise Nin.	Specif:	ied
Values are for Each Unit Unle	ess Oth Note 1	erwise Min. 0.143	Specifi Max. 0.167	
Values are for Each Unit Unle Heater Current	ess Oth Note 1	erwise Min. 0.143	Specifi Max. 0.167	ied amp
Values are for Each Unit Unle Heater Current	ss Oth Note 1 1,2 1,2	erwise Min. 0.143 85 0.9	Specif: Max. 0.167 115 1.75	ied amp ma
Walues are for Each Unit Unle Heater Current	Note 1 1,2 1,2 1,2	erwise Min. 0.143 85 0.9	Specifi Max. 0.167	ied
Walues are for Each Unit Unle	Note 1 1,2 1,2 1,2	erwise Min. 0.143 85 0.9	Specif: Max. 0.167 115 1.75	ied amp ma μπhos
Walues are for Each Unit Unle Heater Current	Note 1 1,2 1,2 1,2	erwise Min. 0.143 85 0.9	Max. 0.167 115 1.75 2100	ied amp ma μπhos
Walues are for Each Unit Unle Heater Current	Note 1 1,2 1,2 1,2 1,3	erwise Min. 0.143 85 0.9	Specifi Max. 0.167 115 1.75 2100	ied amp ma <i>μ</i> mhos μa
Walues are for Each Unit Unle Heater Current	Note 1 1,2 1,2 1,2 1,3	erwise Min. 0.143 85 0.9	Max. 0.167 115 1.75 2100	ied amp ma <i>μ</i> mhos μa
Walues are for Each Unit Unle Heater Current	Note 1 1,2 1,2 1,2 1,3	erwise Min. 0.143 85 0.9	Specif: Max. 0.167 115 1.75 2100 -1	ied amp ma μπhos μα
Walues are for Each Unit Unle Heater Current	Note 1 1,2 1,2 1,2 1,3	erwise Min. 0.143 85 0.9	Specifi Max. 0.167 115 1.75 2100	ied amp ma μπhos μα
Walues are for Each Unit Unle Heater Current	Note 1 1,2 1,2 1,2 1,3	erwise Min. 0.143 85 0.9	Specif: Max. 0.167 115 1.75 2100 -1	ied amp ma μπhos μα
Heater Current	Note 1 1,2 1,2 1,2 1,3 1,4 1,4	erwise Min. 0.143 85 0.9 1360 -	Specif: Max. 0.167 115 1.75 2100 -1	ied amp ma μπhos μα μα
Heater Current	Note 1 1,2 1,2 1,2 1,3	erwise Min. 0.143 85 0.9	Specif: Max. 0.167 115 1.75 2100 -1	ied amp ma μπhos μα μα
Heater Current	Note 1 1,2 1,2 1,2 1,3 1,4 1,4	erwise Min. 0.143 85 0.9 1360 -	Specif: Max. 0.167 115 1.75 2100 -1	ied amp ma
Heater Current	Note 1 1,2 1,2 1,2 1,3 1,4 1,4	erwise Min. 0.143 85 0.9 1360 50	Specif: Max. 0.167 115 1.75 2100 -1 20 20	amp ma μmhos μα μα πegohms
Heater Current	Note 1 1,2 1,2 1,2 1,3 1,4 1,4	erwise Min. 0.143 85 0.9 1360 50	Specif: Max. 0.167 115 1.75 2100 -1 20 20	ied amp ma μπhos μα μα
Heater Current	Note 1 1,2 1,2 1,2 1,3 1,4 1,4 1,5	erwise Min. 0.143 85 0.9 1360 50	Specif: Max. 0.167 115 1.75 2100 -1 20 20	amp ma µmhos µa µa megohms
Heater Current	1,2 1,2 1,2 1,2 1,3 1,4 1,4 1,5	erwise Min. 0.143 85 0.9 1360 50 50	Specif: Max. 0.167 115 1.75 2100 -1 20 20	ied amp ma μmhos μα μα megohms megohms
Heater Current	1,2 1,2 1,2 1,2 1,3 1,4 1,4 1,5	erwise Min. 0.143 85 0.9 1360 50 50	Specif: Max. 0.167 115 1.75 2100 -1 20 20	amp ma µmhos µa µa megohms megohms
Heater Current	Note 1 1,2 1,2 1,2 1,3 1,4 1,4 1,5 1,6 3.5. d dc griddes of	erwise Min. 0.143 85 0.9 1360 50 50 d volts unit not	Specif: Max. 0.167 115 1.75 2100 -1 20 20	amp ma



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Note 4: With 100 volts do between heater and cathode.

With grid 100 volts negative with respect to all other electrodes of both units tied together. Note 5:

With plate 300 volts negative with respect to all other electrodes of both units tied together. Note 6:

SPECIAL RATINGS & PERFORMANCE DATA

Heater-Cycling Life Performance:

This test is performed on a sample lot of tubes from each production run. A minimum of 2000 cycles of intermittent operation is applied under the following conditions: heater voits = 17 cycled one minute on and four minutes off, heater 135 volts negative with respect to cathode, and all other elements connected to ground. At the end of this test, tubes are checked for heater-cathode shorts and open circuits.

Low-Frequency Vibration Performance:

This test is performed on a sample lot of tubes from each production run under the following conditions: units connected in parallel, heater volts = 13.5, plate-supply volts = 250, grid volts = -2, plate load resistor (ohms) = 2000, and vibrational acceleration of 2.5 g at 25 cps. In this test, the rms output voltage must not exceed 150 millivolts.

500-Hour Intermittent Life Performance:

This test is performed on a sample lot of tubes from each production run to insure high quality of the individual tube and to guard against epidemic failures. Life testing is conducted under the following conditions: heater volts = 15 and maximum-rated plate dissipation.

TENTATIVE DATA 2





AVERAGE PLATE CHARACTERISTICS EACH UNIT

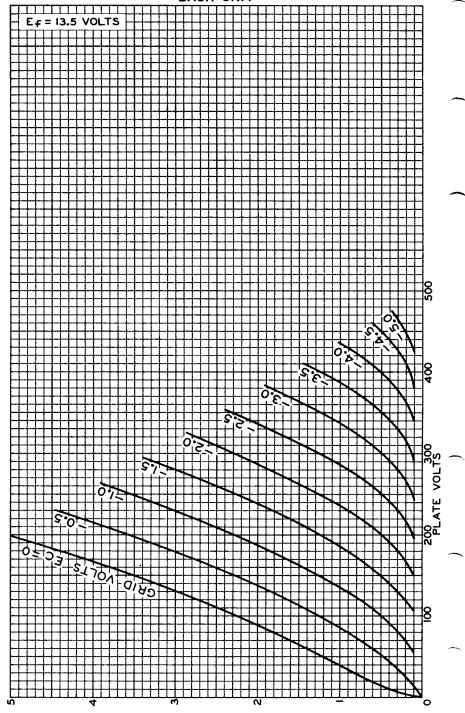


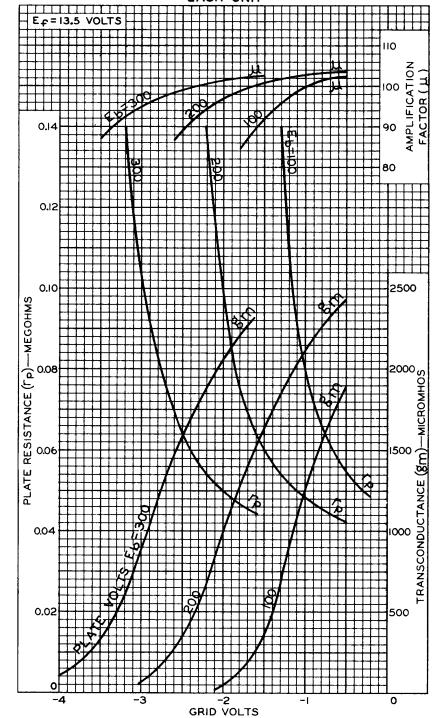
PLATE MILLIAMPERES

ELECTRON TUBE DIVISION RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM - 9793



AVERAGE CHARACTERISTICS EACH UNIT



ELECTRON TUBE DIVISION RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-9805