

MEDIUM-MU TWIN TRIODE

GENERAL DATA		
Electrical:		
Heater, for Unipotential Cathodes: Voltage 6.3 ac or dc vol Current	unp	
Unit No. 1 Unit No. 2		
Grid to cathode and heater 2.2 2.6 μ	μf μf μf	
Characteristics, Class A, Amplifier (Each Unit):		
Plate Voltage	ts ms os ma ma	
C.	``	
Mounting Position Maximum Overall Length Maximum Seated Length Maximum Diameter Bulb Base Short Intermediate—Shell Octal 8—F with External Barriers (JETEC No.B8—5 Basing Designation for BOTTOM VIEW	32" [-9 Pin [8)	
Pin 1-Grid of Unit No.2 Pin 2-Plate of Unit No.2 Pin 3-Cathode of Unit No.2 Pin 4-Grid of Unit No.1	F	
AMPLIFIER - Class A	I	
Values are for Each Unit		
Maximum Ratings, Design-Center Values: PLATE VOLTAGE	ts ma	



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MEDIUM-MU TWIN TRIODE

PLATE DISSIPATION:	
Either plate 5 max.	watts
Either plate	watts
PEAK HEATER-CATHODE VOLTAGE:	W4110
Heater negative with respect to cathode 200 max.	volts
Heater positive with respect to cathode 200 max.	volts
Maximum Circuit Values:	
Grid-Circuit Resistance:	
For fixed-bias operation 1 max.	megohm
Typical Operation as Resistance-Coupled Amplifier:	
See RESISTANCE-COUPLED ANPLIFIER CHART No. 29	
at front of this Section	
HORIZONTAL DEFLECTION OSCILLATOR	8.5
Values are for Each Unit	
Maximum Ratings, Design-Center Values:	
For operation in a 525-line, 30-frame system	
DC PLATE VOLTAGE	volts
PEAK NEGATIVE-PULSE GRID VOLTAGE 600 max.	volts
CATHODE CURRENT:	
Peak	ma
Average 20 max.	ma
PLATE DISSIPATION:	
Either plate 5 max.	watts
Both plates (Both units operating) 7.5 max.	watts
PEAK HEATER-CATHODE VOLTAGE:	*
Heater negative with respect to cathode 200 max.	volts
Heater positive with respect to cathode 2004 max.	volts
Maximum Circuit Values:	
Grid-Circuit Resistance:	
For fixed-bias, grid-resistor bias, or	
cathode-bias operation 2.2 max.	meachms
Carriodo Diad Operación e e e e e e e e e e e e	gomo
VERTICAL DEFLECTION OSCILLATOR	
Values are for Each Unit	
Marinon Datings Design Contra Values	
Maximum Ratings, Design-Center Values:	
For operation in a 525-line, 30-frame system	
DC PLATE VOLTAGE	volts
PEAK NEGATIVE-PULSE GRID VOLTAGE* 400 max.	volts
CATHODE CURRENT:	
Peak	ma
Average 20 max.	ma
▲,□, •, #: See next page.	
TENTATIVE	DATE 6

JUNE 14, 1954



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Either plate 5 max. watts
Both plates (Both units operating) 7.5 max. watts
PEAK HEATER-CATHODE VOLTAGE:
Heater negative with respect to cathode 200 max. volts
Heater positive with respect to cathode 2004 max. volts
Maximum Circuit Values:
Grid-Circuit Resistance:
For fixed-bias, grid-resistor bias, or
cathode-bias operation 2.2 max. megohms
VERTICAL DEFLECTION AMPLIFIER
Values are for Back Unit
Maximum Ratings, Design-Center Values Except as Noted:
For operation in a 525-line, 30-frame system
DC PLATE VOLTAGE
PEAK POSITIVE—PULSE PLATE VOLTAGE#- (Absolute Maximum) 1500 max. volts
PEAK NEGATIVE-PULSE GRID VOLTAGE
CATHODE CURRENT:
Peak
Average 20 max. ma
PLATE DISSIPATION:
Either plate 5 max. watts
Both plates (Both units operating) 7.5 max. watts
PEAK HEATER-CATHODE VOLTAGE: Heater negative with respect to cathode 200 max. volts
Heater positive with respect to cathode 200 max. volts
Maximum Circuit Values:
Grid-Circuit Resistance:
For cathode-bias operation 2.2 max. megohme
* The dc component must not exceed 100 volts.
D As described in "Standards of Good Engineering Practice Concerning Tele
vision Broadcast Stations", Federal Communications Commission.
This rating is applicable where the duration of the voltage pulse does not exceed 15 per cent of one horizontal scanning cycle. In a \$25-line
30-frame system, 15 per cent of one horizontal scanning cycle is 10 mi
This ration is applicable where the duration of the voltage pulse doe
not exceed 15 per cent of one vertical scanning cycle. In a 525-line
30-frame system, 15 per cent of one vertical scanning cycle is 2.5 milli seconds.
Under no circumstances should this absolute value be exceeded.

PLATE DISSIPATION:

SARTICITY.

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AVERAGE PLATE CHARACTERISTICS

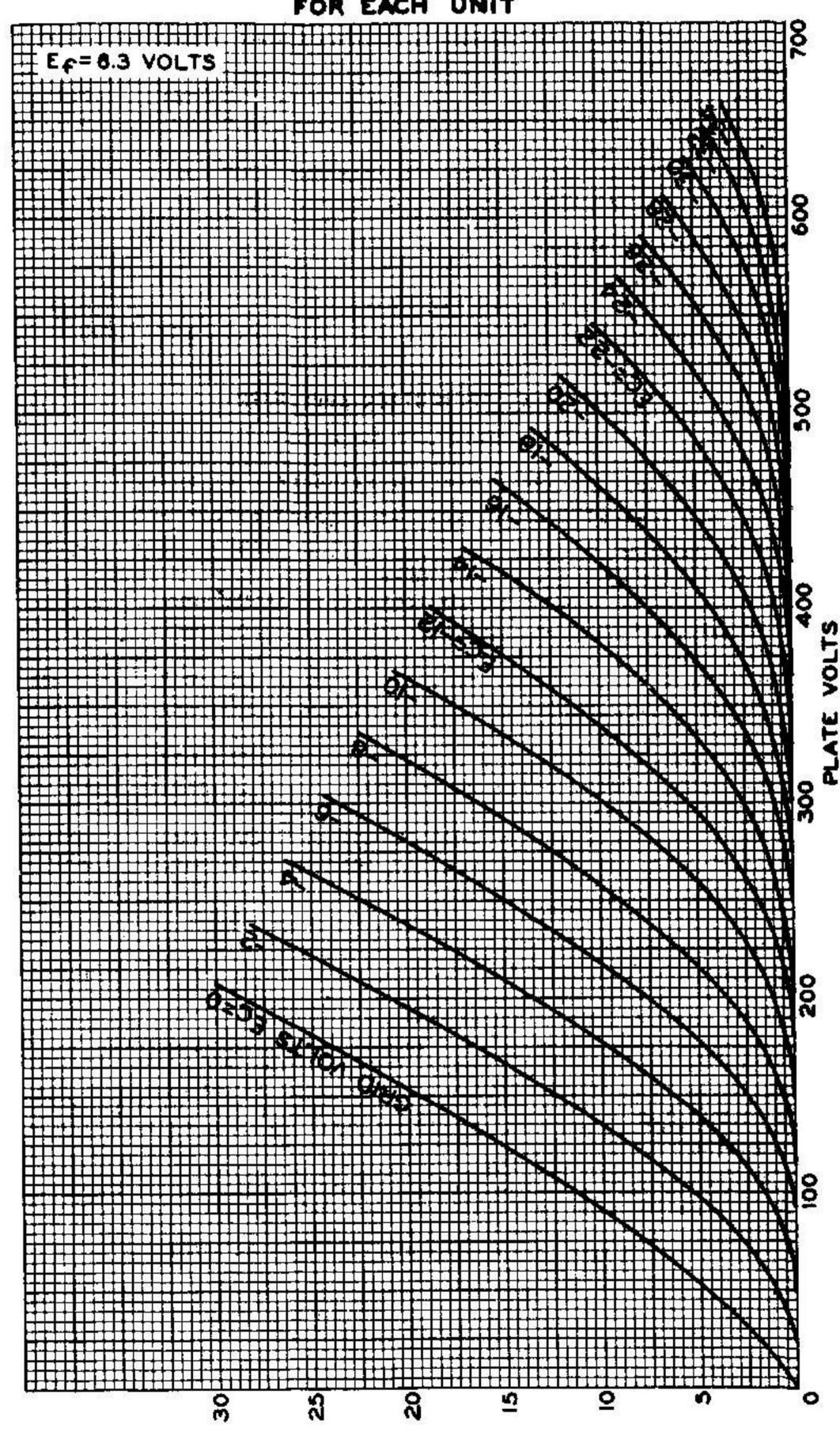


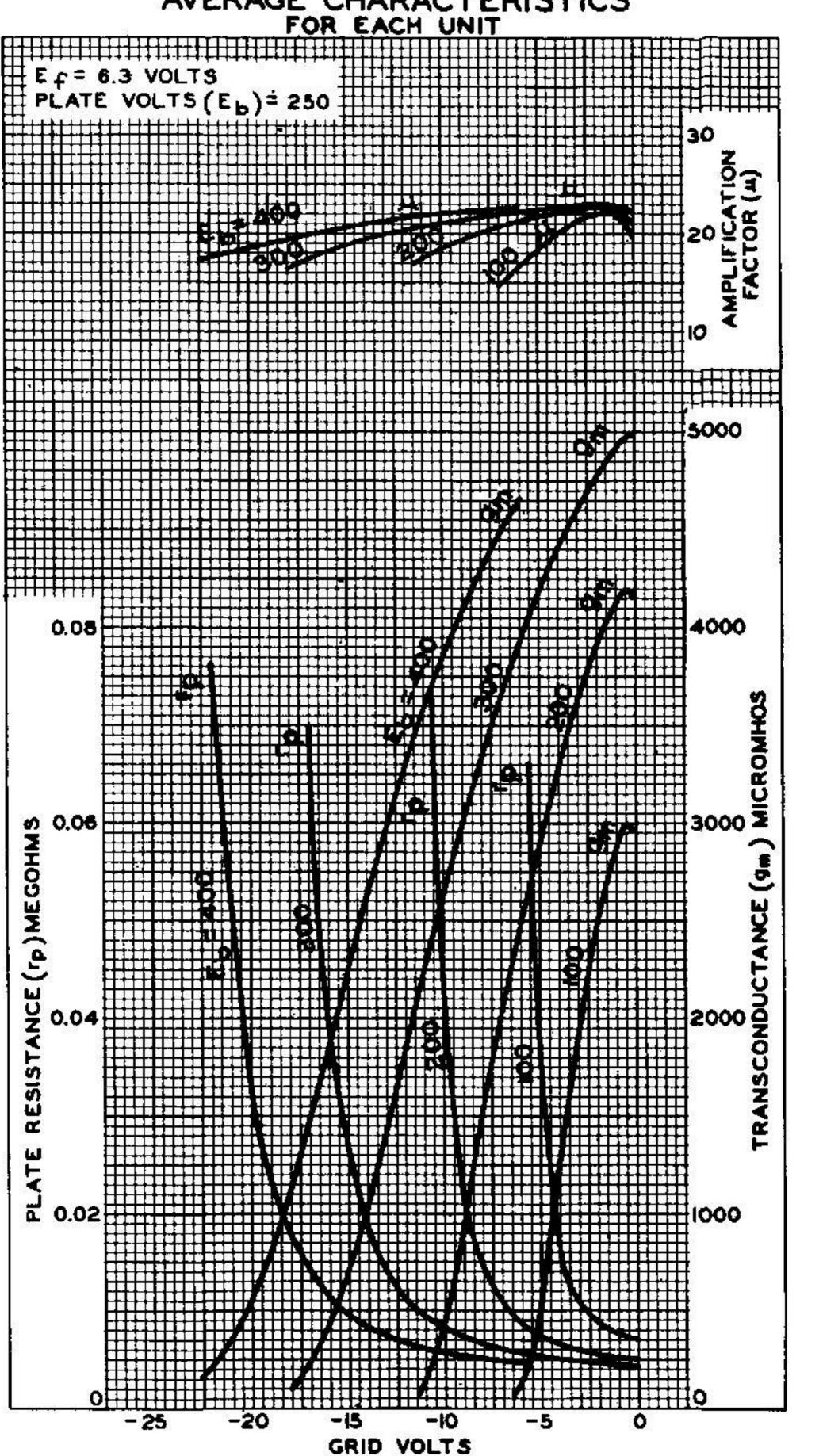
PLATE MILLIAMPERES

TUBE DIVISION
RADIO CORPORATION OF AMERICA, IMMERICA, IM

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AVERAGE CHARACTERISTICS



OSN'T: CIA