

715-C

PULSE AMPLIFIER TETRODE

GENERAL DATA
Electrical:
Heater, for Unipotential Cathode: Voltage
Mechanical:
Mounting Position Vertical, base up or down Overall Length 5-3/4" ± 1/8" Seated Length 5-5/16" ± 1/8" Maximum Diameter 2-9/16" Bulb T-20 Cap Medium with Dished Flange Base Medium-Ceramic-Wafer Jumboid 4-Pin BOTTOM VIEW P
Pin 1 - Grid No.1 Pin 2 - Heater, Cathode Pin 3 - Heater Pin 4 - Grid No.2 Cap - Plate
MODULATOR - Pulsed Rectangular-Wave
With Inductive Load
Maximum CCS® Ratings, Absolute Values:
DC PLATE SUPPLY VOLTAGE*
PEAK GRID-No.1 VOLTAGE: Negative Value
not exceeding 0.001 15 max. amp
 Continuous Commercial Service. Duty Factor equals product of nulse duration in seconds and the pulse repetition frequency in cycles per second. For peak currents in excess of 5 amperes, the product of peak plate
current in amperes and pulse duration in microseconds should not ex- ceed 30, and the tube should not be operated longer than 5 microseconds in any 100-microsecond interval.
For peak currents less than 5 amperes, the duty factor is determined by the maximum plate-dissipation rating of 60 watts.
*: See next page.





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PLATE INPUT 225 max. GRID-No.2 INPUT 8 max. GRID-No.1 INPUT 1 max. PLATE DISSIPATION 60 max. Typical Operation: Duty Factor of o.oo1	watts watt watts
DC Plate Supply Voltage*	volts volts volts volts
Plate Current: DC Value 0.015 Peak Value 15 DC Grid-No.2 Current 0.0015 DC Grid-No.1 Current 0.010 Load Resistance 800	amp amp amp amp ohms

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

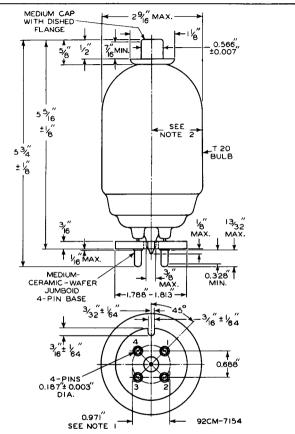
	Note	Min.	$\underline{Max.}$	
Heater Current	. 1	1.9	2.3	amp
Grid-No.1-to-Plate				
Capacitance		-	2	μμf
Input		30	45	μμf
Output		5	10	$\mu\mu$ f
Note 1: With 26 volts on heater.				

For tube protection, it is essential that the dc resistance in series with the plate supply and the grid-No.2 supply should be adequate to limit the short-dcircuit'current to 0.5 ampere in either circuit.



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NOTE 1: PINS WILL FIT A FLAT-PLATE GAUGE HAVING THICKNESS OF 1/4" AND FOUR HOLES 0.2140" ± 0.0005" SO LOCATED ON A 0.9710" ± 0.0005" DIAMETER CIRCLE THAT THE DISTANCE ALONG THE CHORD BETWEEN ANY TWO ADJACENT HOLE CENTERS IS 0.6875" ± 0.0005". GAUGE IS ALSO PROVIDED WITH A 7/16" DIAMETER HOLE CONCENTRIC WITH PIN CIRCLE FOR THE EXHAUST TIP.

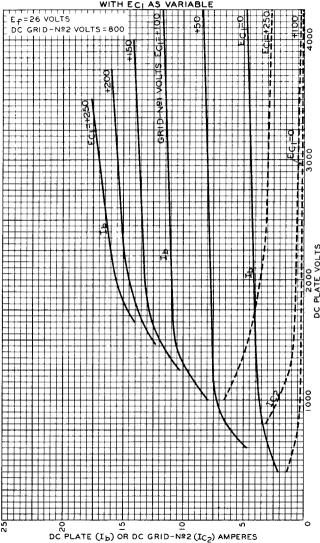
NOTE 2: WHEN TUBE IS ROTATED ABOUT AXIS OF ITS BASE, THE MAXIMUM RADIAL DISTANCE BETWEEN ANY POINT ON THE BULB AND THE ROTATIONAL AXIS DOES NOT EXCEED 1-13/32".

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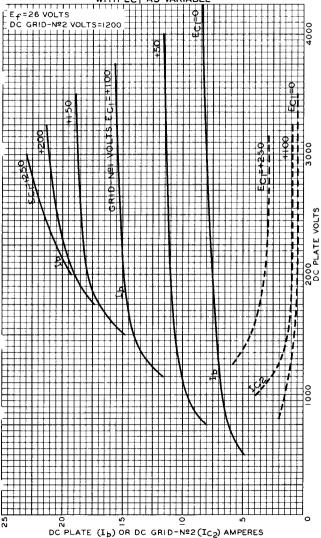


AVERAGE PLATE CHARACTERISTICS WITH ECI AS VARIABLE



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AVERAGE PLATE CHARACTERISTICS WITH EC! AS VARIABLE

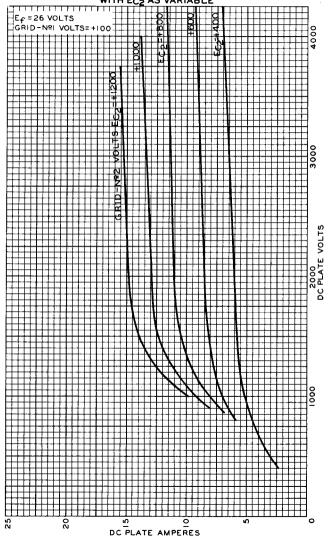


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AVERAGE PLATE CHARACTERISTICS WITH EC2 AS VARIABLE





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