

## TUNG-SOL

## DIODE

## MINIATURE TYPE

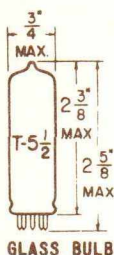
## COATED UNIPOTENTIAL CATHODE

## HEATER

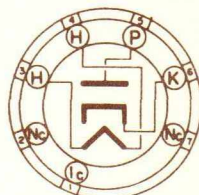
117 VOLTS 40 MA.

AC OR DC

ANY MOUNTING POSITION

NOTE: DO NOT USE PIN #1 ON  
SOCKET AS TIE POST.

GLASS BULB

BOTTOM VIEW  
MINIATURE BUTTON  
7 PIN BASE

THE 11723 IS A MINIATURE CATHODE-TYPE, CLOSE-SPACED HALF-WAVE RECTIFIER DESIGNED FOR SERVICE IN THREE-WAY PORTABLE RECEIVERS. THE 117 VOLT HEATER PERMITS DIRECT, ACROSS THE LINE, HEATER OPERATION WITHOUT NEED FOR A DROPPING RESISTOR.

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

|                                                                           |      |       |
|---------------------------------------------------------------------------|------|-------|
| HEATER VOLTAGE                                                            | 117  | VOLTS |
| MAXIMUM DC HEATER-CATHODE VOLTAGE                                         |      |       |
| CATHODE POSITIVE                                                          | 175  | VOLTS |
| CATHODE NEGATIVE                                                          | 100  | VOLTS |
| MAXIMUM AC PLATE VOLTAGE [RMS]                                            | 117  | VOLTS |
| MAXIMUM PEAK INVERSE VOLTAGE                                              | 330  | VOLTS |
| MAXIMUM STEADY-STATE PEAK PLATE CURRENT                                   | 540  | MA.   |
| MAXIMUM STEADY-STATE DC OUTPUT CURRENT                                    | 90   | MA.   |
| MAXIMUM TRANSIENT PEAK PLATE CURRENT                                      | 2.5  | AMP.  |
| TUBE VOLTAGE DROP: MEASURED WITH TUBE<br>CONDUCTING 180 MA. PLATE CURRENT | 22.5 | VOLTS |

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

## HALF-WAVE RECTIFIER

|                                  |     |       |
|----------------------------------|-----|-------|
| HEATER VOLTAGE                   | 117 | VOLTS |
| HEATER CURRENT                   | 40  | MA.   |
| AC PLATE SUPPLY VOLTAGE [RMS]    | 117 | VOLTS |
| DC OUTPUT VOLTAGE                | 110 | VOLTS |
| DC OUTPUT CURRENT                | 90  | MA.   |
| EFFECTIVE PLATE SUPPLY IMPEDANCE | 20  | OHMS  |
| INPUT CONDENSER                  | 30  | μf    |

SIMILAR TYPE REFERENCES: Same general characteristics as type 11724GT; somewhat similar to the rectifier unit of type 70L7GT.

→ INDICATES A CHANGE OR ADDITION.

# 117Z3

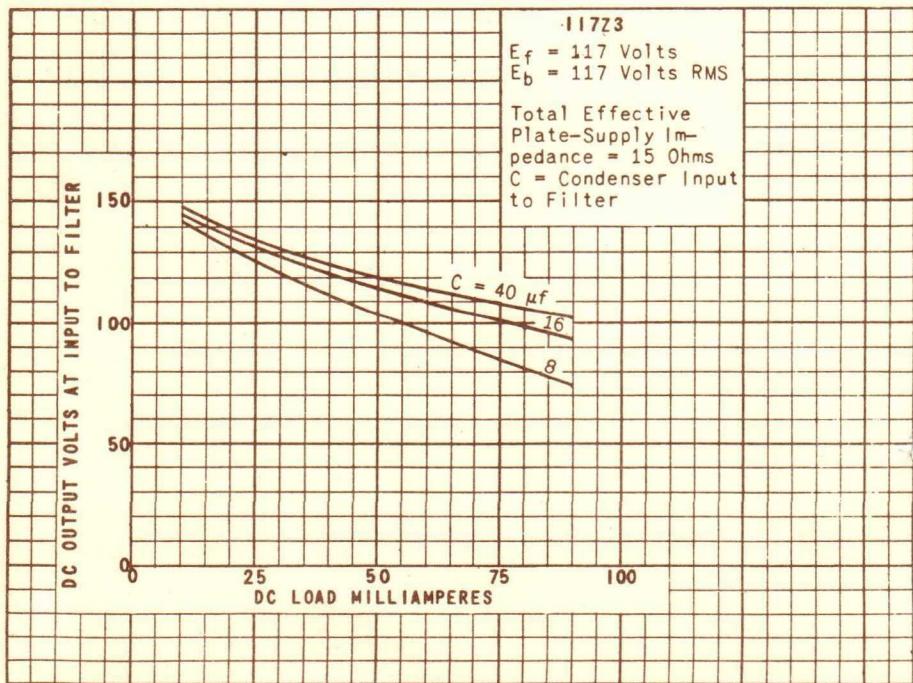
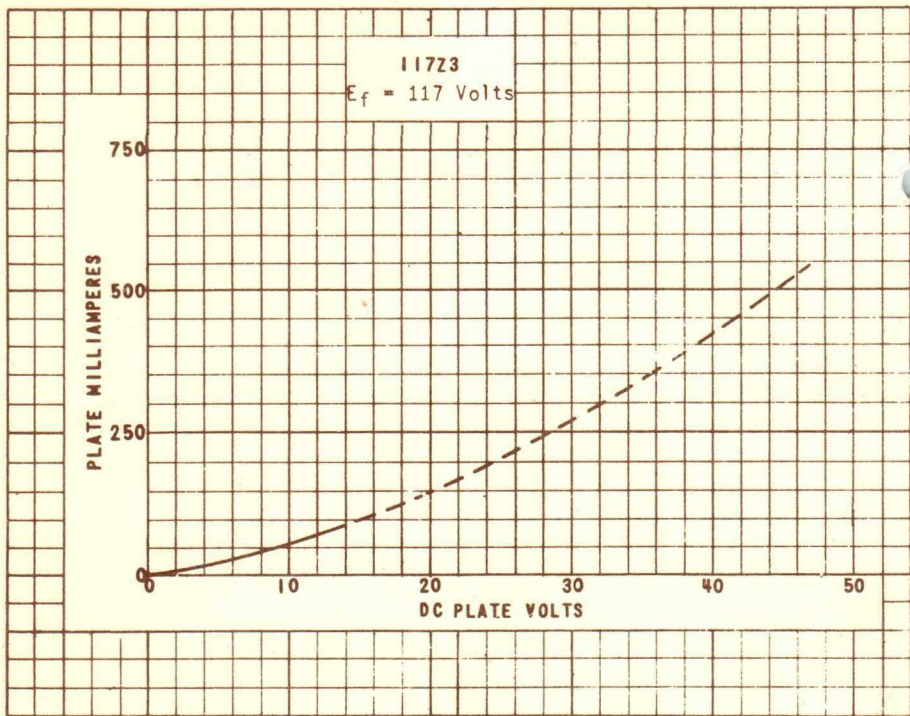


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