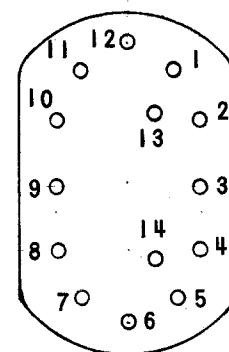


| | | | |
|-----------------------------------------------------------|---------|--------|------|
| ABSOLUTE RATINGS (NOTE 4) IONIZATION VOLTAGE MAXIMUM | 170 Vdc | | |
| SUPPLY VOLTAGE (MINIMUM) (NOTE 1) | 170 Vdc | | |
| CATHODE CURRENT (PEAK) | 3.5 mA | | |
| TEST CONDITIONS (BASIC CIRCUIT FIG. 1) | | | |
| SUPPLY VOLTAGE | 170 Vdc | | |
| SERIES RESISTOR (NOTE 3) | 8.2 K | | |
| CATHODE CURRENT: (MINIMUM) (MAXIMUM) (NOTE 2) | 1.5 mA | 3.0 mA | |
| RECOMMENDED OPERATING CONDITIONS (BASIC CIRCUIT FIG 1) | | | |
| SUPPLY VOLTAGE (E) NOTE 1 | 200V | 250V | 300V |
| SERIES RESISTOR (R) | 22K | 47K | 68K |

| REVISIONS | | | | | | |
|-----------|-----|------------------------|----------|----------|-------|-----------|
| ZONE | LTR | DESCRIPTION | DATE | E.M.N.NO | DRAFT | CHKD APPD |
| | X | EXPERIMENTAL RELEASE | 8/20/68 | | C.V. | |
| | Ø | ORIG. RELEASE FOR PROD | 11-11-68 | Ø | R.G. | JAG |

PIN CONNECTIONS



| PIN NO. | CHARACTER |
|---------|---------------------|
| 1 | ANODE |
| 2 | NUMERAL 0 |
| 3 | NUMERAL 9 |
| 4 | NUMERAL 8 |
| 5 | NUMERAL 7 |
| 6 | NUMERAL 6 |
| 7 | NUMERAL 5 |
| 8 | NUMERAL 4 |
| 9 | NUMERAL 3 |
| 10 | NUMERAL 2 |
| 11 | NUMERAL 1 |
| 12 | INTERNAL CONNECTION |
| 13 | INTERNAL CONNECTION |
| 14 | INTERNAL CONNECTION |

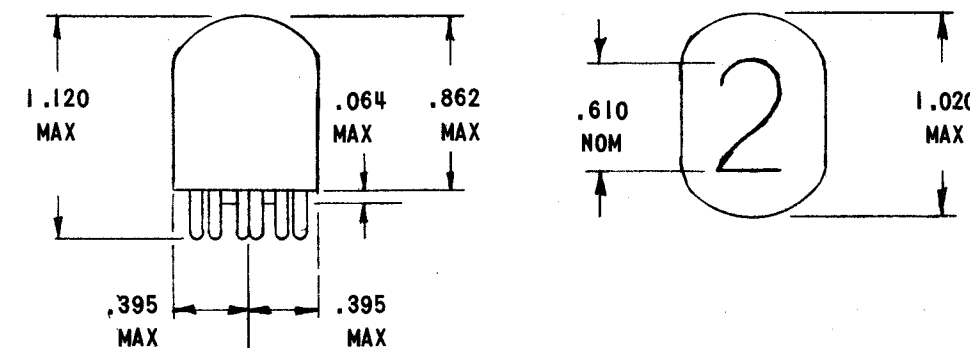


FIG. 1

REF: USED WITH
 SOCKET: TMC PART NUMBER TS192
 DECODER: TMC PART NUMBER IC104

NOTES:

1. THE MINIMUM SUPPLY VOLTAGE SHOULD BE AS STATED FOR EACH TUBE TYPE. HOWEVER, THE USE OF THE HIGHEST VOLTAGE AVAILABLE, WITH THE APPROPRIATE SERIES RESISTOR TO MAINTAIN CATHODE CURRENT WITHIN THE SPECIFIED LIMITS, IS RECOMMENDED.
2. NO GLOW IS PERMITTED ON ANY TUBE PART OTHER THAN THE NUMERAL UNDER TEST.
3. ALL RESISTANCE VALUES ARE $\pm 1\%$.
4. MAXIMUM IONIZATION VOLTAGE IS THE HIGHEST VOLTAGE NECESSARY TO ASSURE FULL CATHODE GLOW.

| | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------|
| RTIH-3 | | ASS'Y NO. |
| QTY / UNIT | MODEL USED ON | ASS'Y NO. |
| APPLICATION | | |
| CODE | S401-174 (8422, B-5991) | |
| NOTICE TO PERSONS RECEIVING THIS DRAWING THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed hereon. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time. | | |
| FINISH | | |

| | | |
|-------------------------------------------------------------------------------------------------------|---------------------------------------|------------------|
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES | FINAL APPROVAL <i>S. De Marco</i> | DATE 11/11/68 |
| DECIMALS .X \pm .05 .XX \pm .01 .XXX \pm .005 | FRACTIONS 1/64 ANGLES 0°-30' | DATE 11/11/68 |
| ELECT. DES. | CHECKED <i>JAG</i> | DATE 11/7/68 |
| DRAWN <i>R.L.</i> | | DATE 8.20.68 |

| REQ'D | ITEM | PART NUMBER | DESCRIPTION | SYM. |
|------------------------------------------------------|-----------------|-------------|-------------|------|
| DE MARCO | | | | |
| LIST OF MATERIAL | | | | |
| THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK | | | | |
| INDICATOR, DIGITAL DISPLAY (NIXIE TUBE) | | | | |
| SIZE | CODE IDENT. NO. | DWG NO. | ISSUE | |
| B | 82679 | BI 118 | Ø | |
| SCALE | SHEET | | OF | |