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|-----------------------------------------------------------------------------------------------|------------------------------------|----------------------------|
| Specification MAP/CV1119/Issue 5<br>Dated 4.3.47.<br>To be read in conjunction with<br>K1001. | <u>SECURITY</u>                    |                            |
|                                                                                               | <u>Specification</u><br>RESTRICTED | <u>Valve</u><br>RESTRICTED |

—————> Indicates a change

|                                      |  |      |                   |            |                  |
|--------------------------------------|--|------|-------------------|------------|------------------|
| <u>TYPE OF VALVE</u> - Double diode  |  |      | <u>MARKING</u>    |            |                  |
| <u>CATHODE</u> - Indirectly heated   |  |      | See K1001/4.      |            |                  |
| <u>ENVELOPE</u> - Glass-unmetallised |  |      |                   |            |                  |
| <u>PROTOTYPE</u> - DDL4.             |  |      |                   |            |                  |
| <u>RATING</u>                        |  | Note | <u>BASE</u>       |            |                  |
|                                      |  |      | B5                |            |                  |
| Heater Voltage (V)                   |  |      | 4.0               | <u>Pin</u> | <u>Electrode</u> |
| Heater Current (A)                   |  |      | 0.75              |            |                  |
| Max. Working Anode Voltage (RMS)     |  |      | 200               | 1          | Diode 2          |
| Max. Cathode Current(mA)             |  |      | 10                | 2          | Diode 1          |
|                                      |  |      |                   | 3          | Heater           |
|                                      |  |      |                   | 4          | Heater           |
|                                      |  |      |                   | 5          | Cathode          |
|                                      |  |      |                   |            |                  |
| <u>CAPACITANCES (pF)</u>             |  |      | <u>DIMENSIONS</u> |            |                  |
| Cd1e                                 |  | 4.0  | See K1001/AI/D1   |            |                  |
| Cd2e                                 |  | 3.8  |                   |            |                  |
| Cd1d2                                |  | 2.5  |                   |            |                  |
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To be performed in addition to those applicable in K1001.

|   | Test Conditions  |                                                         |                                   | Test                    | Limits |      | No.<br>Tested        | Note |
|---|------------------|---------------------------------------------------------|-----------------------------------|-------------------------|--------|------|----------------------|------|
|   |                  |                                                         |                                   |                         | Min.   | Max. |                      |      |
| a | Links<br>to H.P. | Links<br>to L.P.                                        | Links<br>to E.                    | <u>CAPACITANCES(pF)</u> |        |      | 6<br><br>per<br>week |      |
|   | 2                | 1                                                       | 3,4,5,6,7,<br>8,9,10,<br>TC1, TC2 | Cd1d2                   | -      | 3.2  |                      |      |
|   | 2                | 3,4,5                                                   | 1,6,7,8,9<br>10,TC1,TC2           | Cd1e                    | -      | 5.3  |                      |      |
|   | 1                | 3,4,5                                                   | 2,6,7,8,9,<br>10,TC1,TC2          | Cd2e                    | -      | 6.0  |                      |      |
| b | Vh               | Vd                                                      |                                   | Ih (A)                  | 0.68   | 0.82 | 100%<br>or S         |      |
|   | 4.0              | 0                                                       |                                   |                         |        |      |                      |      |
| c | 4.0              | +10                                                     |                                   | Id (mA)                 | 20     | -    | 100%                 | 1    |
| d | 4.0              | -10                                                     |                                   | Id ( $\mu$ A)           | -      | 0.5  | 100%                 | 1    |
| e | 4.0              | Diode anode connected to cathode through 4,000 $\Omega$ |                                   | Id ( $\mu$ A)           | 50     | -    | 100%                 | 1    |

NOTE

1. Tests 'c', 'd' and 'e' shall be applied to each half of the valve.