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| Specification MOS/CV2413 Issue 2 Dated 20th July 1959 To be read on conjunction with K1001 | <u>SECURITY</u> | |
| | <u>Specification</u> | <u>Valve</u> |
| | UNCLASSIFIED | UNCLASSIFIED |

Indicates a change ←

| TYPE OF VALVE - Silicon Junction Diode | <p style="text-align: center;"><u>MARKING</u></p> CV Number Polarity markings and where practicable Factory and date code See K1001/4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|------|--|----------------------------------|-----|--|---|-----|--|--------------------------------|-----|--|--|-----|--|---|----|--|--|----|---|---|----|---|-----------------------------------|-----|---|------------------------------------|----|---|--|--|---|---|
| <p style="text-align: center;"><u>RATINGS</u> ALL LIMITING VALUES ARE ABSOLUTE</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"></th> <th style="width: 10%; text-align: center;">Note</th> <th style="width: 20%;"></th> </tr> </thead> <tbody> <tr> <td>Max. Reverse Working Voltage (V)</td> <td style="text-align: center;">120</td> <td></td> </tr> <tr> <td>Max. Dissipation at temperature up to 75°C (mW)</td> <td style="text-align: center;">150</td> <td></td> </tr> <tr> <td>Max. Dissipation at 100°C (mW)</td> <td style="text-align: center;">100</td> <td></td> </tr> <tr> <td>Max. Forward D.C. Current at 25°C (mA)</td> <td style="text-align: center;">100</td> <td></td> </tr> <tr> <td>Max. Forward D.C. Current at 100°C (mA)</td> <td style="text-align: center;">60</td> <td></td> </tr> <tr> <td>Max. rectified A.C. Current at 25°C (mA)</td> <td style="text-align: center;">80</td> <td style="text-align: center;">A</td> </tr> <tr> <td>Max. rectified A.C. Current at 100°C (mA)</td> <td style="text-align: center;">45</td> <td style="text-align: center;">A</td> </tr> <tr> <td>Max. reverse current at 25°C (uA)</td> <td style="text-align: center;">0.1</td> <td style="text-align: center;">B</td> </tr> <tr> <td>Max. reverse current at 100°C (uA)</td> <td style="text-align: center;">10</td> <td style="text-align: center;">B</td> </tr> <tr> <td>Max. Ambient Temperature rating -40°C to + 150°C</td> <td></td> <td style="text-align: center;">C</td> </tr> </tbody> </table> | | Note | | Max. Reverse Working Voltage (V) | 120 | | Max. Dissipation at temperature up to 75°C (mW) | 150 | | Max. Dissipation at 100°C (mW) | 100 | | Max. Forward D.C. Current at 25°C (mA) | 100 | | Max. Forward D.C. Current at 100°C (mA) | 60 | | Max. rectified A.C. Current at 25°C (mA) | 80 | A | Max. rectified A.C. Current at 100°C (mA) | 45 | A | Max. reverse current at 25°C (uA) | 0.1 | B | Max. reverse current at 100°C (uA) | 10 | B | Max. Ambient Temperature rating -40°C to + 150°C | | C | <p style="text-align: center;"><u>DIMENSIONS</u></p> See specification CV4074 |
| | Note | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Reverse Working Voltage (V) | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Dissipation at temperature up to 75°C (mW) | 150 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Dissipation at 100°C (mW) | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Forward D.C. Current at 25°C (mA) | 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Forward D.C. Current at 100°C (mA) | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. rectified A.C. Current at 25°C (mA) | 80 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. rectified A.C. Current at 100°C (mA) | 45 | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. reverse current at 25°C (uA) | 0.1 | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. reverse current at 100°C (uA) | 10 | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Max. Ambient Temperature rating -40°C to + 150°C | | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;"><u>CAPACITANCE</u> (pF)</p> Cak (max) | <p style="text-align: center;"><u>MOUNTING POSITION</u></p> Any | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;"><u>NOTES</u></p> A. Mean rectified current from 50 c/s A.C. 120 volt peak into a resistive or inductive load. B. Applied voltage - 120V C. At ambient temperatures in excess of 75°C the ratings for dissipation, forward D.C. current and rectified A.C. current decrease linearly with temperature, reducing to zero in each case at an ambient of 150°C. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p style="text-align: center;"><u>TESTS</u></p> For all purposes the tests specified in the current specification MOS/CV4074 shall apply. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |