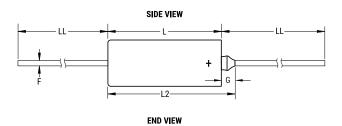


## M39003/03-0175

Aliases (T242D686M035MS, M39003/03-0175, CSR23F686MM) T242 CSR23, Tantalum, MnO2 Tantalum, Military/High Reliability, 68 uF, 20%, 35 VDC, 600 mOhms





Click here for the 3D model.

| General Information |   |
|---------------------|---|
| Series              | T242 CSR23  |
| Dielectric          | MnO2 Tantalum   |
| Style               | Axial Hermetic  |
| Description         | Axial, Solid Tantalum,<br>Hermetically Sealed, Military,<br>Polar, CSR23 Style  |
| Features            | Extended Capacitance, Polar,<br>Low Leakage   |
| RoHS                | No  |
| Prop 65             | WARNING: Cancer and reproductive harm - https://www.p65warnings.ca.gov /  |
| SCIP Number         | beeleed4-5fec-4214-9f43-620<br>c5b22071f  |
| Termination         | Lead (SnPb)   |
| Lead                | Wire Leads  |
| Qualifications      | MIL-PRF-39003, CSR23 Style  |
| AEC-Q200            | No  |
| Construction        | Hermetic  |
| Notes               | Dimensions Include Insulating<br>Sleeve. Lead Length Shown Is<br>For Parts Supplied With Bulk<br>Packaging, When Supplied On<br>T&R Or Ammo, Lead Length Is<br>Determined By Taping<br>Specification. |
| Notes               | Sleeve. Lead Length Shown Is<br>For Parts Supplied With Bulk<br>Packaging, When Supplied On<br>T&R Or Ammo, Lead Length Is<br>Determined By Taping  |

| Dimensions |                   |
|------------|-------------------|
| D          | 8.92mm +/-0.25mm  |
| L          | 19.96mm +/-0.79mm |
| L2         | 23.42mm           |
| LL         | 38.1mm +/-6.35mm  |
| F          | 0.64mm +/-0.05mm  |
| G          | 3.46mm +0.79mm    |
|            |                   |

| Packaging Specifications |      |
|--------------------------|------|
| Packaging                | Tray |
| Packaging Quantity       | 20   |

| Specifications          |  |
|-------------------------|--|
| Capacitance             | 68 uF  |
| Tolerance               | 20%  |
| Voltage DC              | 35 VDC (85C), 28 VDC (125C<br>Surge), 0.35 VDC (125C<br>Reverse) |
| Temperature Range       | -55/+125°C   |
| Dissipation Factor      | 6%   |
| Failure Rate            | M (1%/1000 Hrs)  |
| ESR                     | 0.6 Ohms (100kHz)  |
| Ripple Current          | 548 mAmps (100kHz)   |
| Leakage Current         | 12 uA  |
| Testing and Reliability | Standard Testing To MIL-<br>PRF-39003                            |

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