

# MATERIAL DECLARATION SHEET



|                 |              |     |   |                                                                                    |
|-----------------|--------------|-----|---|------------------------------------------------------------------------------------|
| Material Number | MOV-07D511K  |     |   |  |
| Product Line    | MOV Products |     |   |                                                                                    |
| Compliance Date | 8-Jul-2025   |     |   |                                                                                    |
| RoHS Compliant  | Yes          | MSL | 1 |                                                                                    |

| No. | Construction Element (subpart) | Homogeneous Material | Material weight [mg] | Homogeneous Material\ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|--------------------------------|----------------------|----------------------|----------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1   | Zinc Oxide Disc                | Zinc Oxide Disc      | 425.10               | Zinc Oxide                       | 1314-13-2           | 95.50            | 50.676                            | 53.06%                        |
|     |                                |                      |                      | Silver                           | 7440-22-4           | 2.00             | 1.061                             |                               |
|     |                                |                      |                      | Silicon dioxide                  | 7631-86-9           | 0.50             | 0.265                             |                               |
|     |                                |                      |                      | Nickelic Oxide                   | 1314-06-3           | 0.60             | 0.318                             |                               |
|     |                                |                      |                      | Antimony oxide                   | 1309-64-4           | 0.50             | 0.265                             |                               |
|     |                                |                      |                      | Cobalt oxide                     | 1307-96-6           | 0.50             | 0.265                             |                               |
|     |                                |                      |                      | Manganese(II,III) Oxide          | 1317-35-7           | 0.40             | 0.212                             |                               |
| 2   | Solder                         | Solder               | 19.10                | Tin                              | 7440-31-5           | 97.5             | 2.846                             | 2.92%                         |
|     |                                |                      |                      | Silver                           | 7440-22-4           | 2.0              | 0.058                             |                               |
|     |                                |                      |                      | Copper                           | 7440-50-8           | 0.5              | 0.015                             |                               |
| 3   | Coater/Epoxy Resin             | Coater/Epoxy Resin   | 93.40                | Epoxy Resin                      | 25036-25-3          | 47.3             | 6.624                             | 14.00%                        |
|     |                                |                      |                      | Fused Silica                     | 60676-86-6          | 41.0             | 5.742                             |                               |
|     |                                |                      |                      | Cupric carbonate basic           | 12069-69-1          | 2.9              | 0.406                             |                               |
|     |                                |                      |                      | Titanium dioxide                 | 13463-67-7          | 1.6              | 0.224                             |                               |
|     |                                |                      |                      | Others                           | ----                | 7.2              | 1.008                             |                               |
| 4   | Wire Lead                      | Wire Lead            | 193.30               | iron                             | 7439-89-6           | 85.0             | 25.511                            | 30.01%                        |
|     |                                |                      |                      | Copper                           | 7440-50-8           | 12.5             | 3.752                             |                               |
|     |                                |                      |                      | Tin                              | 7440-31-5           | 2.5              | 0.750                             |                               |
|     |                                | Total weight         | 735.90               |                                  |                     |                  |                                   |                               |

**Important remarks:** It is the responsibility of the user to verify they are accessing the latest version.

**This Document was updated on: 8-Jul-2025**