


# MATERIAL DECLARATION SHEET



|                 |                         |     |     |   |
|-----------------|-------------------------|-----|-----|---|
| Material Number | 6639S                   |     |     |  |
| Product Line    | Precision Potentiometer |     |     |   |
| Compliance Date | 1991                    |     |     |   |
| RoHS Compliant  | Yes                     | MSL | N/A |   |

| No.           | Construction Element (subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material/ Substances | CASRN if applicable | Materials Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|---------------|--------------------------------|----------------------|---------------------|----------------------------------|---------------------|------------------|-----------------------------------|-------------------------------|
| 1             | Cover                          | DAP Compound         | 1.8                 | Antimony Trioxide                | 1309-64-4           | 5                | 0.534                             | 10.682                        |
|               |                                |                      |                     | Aluminum Trihydrate              | 21645-51-2          | 15               | 1.602                             |                               |
|               |                                |                      |                     | Diallyl Phthalate                | 1344-28-1           | 50               | 5.341                             |                               |
|               |                                |                      |                     | Glass Fiber                      | 65997-17-3          | 30               | 3.205                             |                               |
| 2             | Terminal                       | Brass                | 0.125               | Copper                           | 7440-50-8           | 61.5             | 0.456                             | 0.742                         |
|               |                                |                      |                     | Lead                             | 7439-92-1           | 3                | 0.022                             |                               |
|               |                                |                      |                     | Zinc                             | 7440-66-6           | 35.5             | 0.263                             |                               |
|               |                                | Under Plating        | 0.000057            | Nickel                           | 7440-02-0           | 100              | 0.0003                            | 0.0003                        |
| Under Plating | 0.000057                       | Gold                 | 7440-57-5           | 100                              | 0.0003              | 0.0003           |                                   |                               |
| 3             | Terminal X 2                   | Brass                | 0.25                | Copper                           | 7440-50-8           | 61.5             | 0.912                             | 1.484                         |
|               |                                |                      |                     | Lead                             | 7439-92-1           | 3                | 0.045                             |                               |
|               |                                |                      |                     | Zinc                             | 7440-66-6           | 35.5             | 0.527                             |                               |
|               |                                | Under Plating        | 0.0001              | Nickel                           | 7440-02-0           | 100              | 0.0006                            | 0.0006                        |
| Under Plating | 0.0001                         | Gold                 | 7440-57-5           | 100                              | 0.0006              | 0.0006           |                                   |                               |
| 4             | Resistive Ink                  | Ink                  | 0.003               | Phenolic Resin                   |                     | 67               | 0.012                             | 0.018                         |
|               |                                |                      |                     | Teflon                           | 9002-84-0           | 1                | 0.0002                            |                               |
|               |                                |                      |                     | Fume Silica                      | 112945-52-5         | 1                | 0.0002                            |                               |
|               |                                |                      |                     | Barium Sulfate                   | 7727-43-7           | 17               | 0.003                             |                               |
|               |                                |                      |                     | Titanium Dioxide                 | 13463-67-7          | 5                | 0.0009                            |                               |
| Carbon Black  | 1333-86-4                      | 9                    | 0.002               |                                  |                     |                  |                                   |                               |

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|----|-----------------|-----------------|---------|--------------------------------|------------|------|---------|--------|
| 6  | Termination Ink | Ink             | 0.0005  | Phenolic Resin                 | 9039-25-2  | 13   | 0.0004  | 0.003  |
|    |                 |                 |         | Silver                         | 7440-22-4  | 86   | 0.003   |        |
|    |                 |                 |         | Graphite                       | 7782-42-5  | 1    | 0.00003 |        |
| 7  | Epoxy           | Epoxy           | 0.0004  | Bisphenol A Polyglycidyl Ether | 25068-38-6 | 27   | 0.0003  | 0.002  |
|    |                 |                 |         | Butyl Glydicyl Ether           | 2426-08-6  | 9    | 0.002   |        |
|    |                 |                 |         | Silver                         | 7440-22-4  | 64   | 0.00002 |        |
| 8  | Rotor           | Nylon           | 0.9     | Polyamide                      |            | 85   | 4.539   | 5.341  |
|    |                 |                 |         | Glass                          | 65997-17-3 | 15   | 0.801   |        |
| 9  | Shaft           | Stainless Steel | 6.85    | Carbon                         | 7440-44-0  | 0.15 | 0.061   | 40.652 |
|    |                 |                 |         | Manganese                      | 7439-96-5  | 2    | 0.813   |        |
|    |                 |                 |         | Silicon                        | 7440-21-3  | 1    | 0.407   |        |
|    |                 |                 |         | Chromium                       | 7440-47-3  | 18   | 7.317   |        |
|    |                 |                 |         | Nickel                         | 7440-02-0  | 9    | 3.659   |        |
|    |                 |                 |         | Iron                           | 7439-89-6  | 69.7 | 28.334  |        |
|    |                 |                 |         | Sulfur                         | 7704-34-9  | 0.15 | 0.061   |        |
| 10 | Contact Spring  | Metal           | 0.0236  | Copper                         | 7440-50-8  | 77   | 0.108   | 0.14   |
|    |                 |                 |         | Tin                            | 7440-31-5  | 7    | 0.009   |        |
|    |                 |                 |         | Nickel                         | 7440-02-0  | 15   | 0.021   |        |
|    |                 |                 |         | Manganese                      | 7439-96-5  | 0.2  | 0.0003  |        |
|    |                 |                 |         | Other                          |            | 0.8  | 0.001   |        |
|    | Tip             | Palmet          | 0.00332 | Copper                         | 7440-50-8  | 16   | 0.003   | 0.019  |
|    |                 |                 |         | Nickel                         | 7440-02-0  | 1    | 0.0002  |        |
|    |                 |                 |         | Palladium                      | 7440-05-3  | 1    | 0.0002  |        |
|    |                 |                 |         | Platinum                       | 7440-22-4  | 44   | 0.009   |        |
|    |                 |                 |         | Silver                         | 7440-22-4  | 38   | 0.008   |        |
| 11 | Housing         | PBT             | 2.102   | Glass                          | 65997-17-3 | 30   | 3.742   | 12.475 |
|    |                 |                 |         | Poly(butylene terephthalate)   | 30965-26-5 | 64   | 7.984   |        |
|    |                 |                 |         | Antimony Compounds             | 7440-36-0  | 3    | 0.374   |        |
|    |                 |                 |         | Antimony Oxide                 | 1309-64-4  | 3    | 0.374   |        |

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|----|---------|-------|--------|--------------|-----------|-------|--------|-------|
| 12 | Bushing | Brass | 4.7923 | Copper       | 7440-50-8 | 61.5  | 17.491 | 28.44 |
|    |         |       |        | Lead         | 7439-92-1 | 3     | 0.853  |       |
|    |         |       |        | Zinc         | 7440-66-6 | 35.5  | 10.096 |       |
|    |         |       |        | Total weight |           | 16.85 |        |       |

**This Document was updated on:** August 7, 2006

**Important remarks:**

1. It is the responsibility of the user to verify they are accessing the latest version.