

MATERIAL DECLARATION SHEET



| | | | | |
|-----------------|-----------------|-----|-----|--|
| Material Number | CSS4J-4026K | | | |
| Product Line | Fixed Resistors | | | |
| Compliance Date | 1-27-2016 | | | |
| RoHS Compliant | Yes DC 605C | MSL | N/A | |

CSS4J-4026K-2L00F

| No. | Construction Element (Subpart) | Homogeneous Material | Material Weight (g) | Homogeneous Material | CASRN | Material Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|--------------|--------------------------------|----------------------|---------------------|-----------------------|--------------|-----------------|-----------------------------------|-------------------------------|
| | | | | Substance | | | | |
| 1 | Resistance Material | Iron Alloy | 0.1236 | Iron | 7439-89-6 | 70.42 | 23.4639 | 33.32 |
| | | | | Aluminum | 7429-90-5 | 4.8 | 1.5994 | |
| | | | | Chromium | 7440-47-3 | 23.49 | 7.8269 | |
| | | | | Manganese | 7439-96-5 | 0.5 | 0.1666 | |
| | | | | Silicon | 7440-21-3 | 0.7 | 0.2332 | |
| | | | | Carbon | 7440-44-0 | 0.08 | 0.0267 | |
| | | | | Proprietary Additives | Trade Secret | 0.01 | 0.0033 | |
| 2 | Base Material | Copper C102 | 0.2474 | Copper | 7440-50-8 | 99.98 | 66.6666 | 66.68 |
| | | | | Proprietary Additives | Trade Secret | 0.01 | 0.0067 | |
| | | | | Oxygen | 7782-44-7 | 0.01 | 0.0067 | |
| Total Weight | | | 0.3710 | | | | | |

MATERIAL DECLARATION SHEET



CSS4J-4026K-3L00F

| No. | Construction Element (Subpart) | Homogeneous Material | Material Weight (g) | Homogeneous Material | CASRN | Material Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|--------------|--------------------------------|----------------------|---------------------|-----------------------|--------------|-----------------|-----------------------------------|-------------------------------|
| | | | | Substance | | | | |
| 1 | Resistance Material | Iron Alloy | 0.0809 | Iron | 7439-89-6 | 70.42 | 17.3515 | 24.64 |
| | | | | Aluminum | 7429-90-5 | 4.8 | 1.1827 | |
| | | | | Chromium | 7440-47-3 | 23.49 | 5.7879 | |
| | | | | Manganese | 7439-96-5 | 0.5 | 0.1232 | |
| | | | | Silicon | 7440-21-3 | 0.7 | 0.1725 | |
| | | | | Carbon | 7440-44-0 | 0.08 | 0.0197 | |
| | | | | Proprietary Additives | Trade Secret | 0.01 | 0.0025 | |
| 2 | Base Material | Copper C102 | 0.2474 | Copper | 7440-50-8 | 99.98 | 75.345 | 75.36 |
| | | | | Proprietary Additives | Trade Secret | 0.01 | 0.0075 | |
| | | | | Oxygen | 7782-44-7 | 0.01 | 0.0075 | |
| Total Weight | | | 0.3283 | | | | | |

MATERIAL DECLARATION SHEET



CSS4J-4026K-4L00F

| No. | Construction Element (Subpart) | Homogeneous Material | Material Weight (g) | Homogeneous Material | CASRN | Material Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|--------------|--------------------------------|----------------------|---------------------|-----------------------|--------------|-----------------|-----------------------------------|-------------------------------|
| | | | | Substance | | | | |
| 1 | Resistance Material | Iron Alloy | 0.0629 | Iron | 7439-89-6 | 70.42 | 14.2741 | 20.27 |
| | | | | Aluminum | 7429-90-5 | 4.8 | 0.9730 | |
| | | | | Chromium | 7440-47-3 | 23.49 | 4.7614 | |
| | | | | Manganese | 7439-96-5 | 0.5 | 0.1014 | |
| | | | | Silicon | 7440-21-3 | 0.7 | 0.1419 | |
| | | | | Carbon | 7440-44-0 | 0.08 | 0.0162 | |
| | | | | Proprietary Additives | Trade Secret | 0.01 | 0.0020 | |
| 2 | Base Material | Copper C102 | 0.2474 | Copper | 7440-50-8 | 99.98 | 79.714 | 79.73 |
| | | | | Proprietary Additives | Trade Secret | 0.01 | 0.008 | |
| | | | | Oxygen | 7782-44-7 | 0.01 | 0.008 | |
| Total Weight | | | 0.3103 | | | | | |

MATERIAL DECLARATION SHEET



CSS4J-4026K-5L00F

| No. | Construction Element (Subpart) | Homogeneous Material | Material Weight (g) | Homogeneous Material | CASRN | Material Mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|--------------------------------|----------------------|---------------------|-----------------------|--------------|-----------------|-----------------------------------|-------------------------------|
| | | | | Substance | | | | |
| 1 | Resistance Material | Iron Alloy | 0.0494 | Iron | 7439-89-6 | 70.42 | 11.7179 | 16.64 |
| | | | | Aluminum | 7429-90-5 | 4.8 | 0.7987 | |
| | | | | Chromium | 7440-47-3 | 23.49 | 3.9087 | |
| | | | | Manganese | 7439-96-5 | 0.5 | 0.0832 | |
| | | | | Silicon | 7440-21-3 | 0.7 | 0.1165 | |
| | | | | Carbon | 7440-44-0 | 0.08 | 0.0133 | |
| | | | | Proprietary Additives | Trade Secret | 0.01 | 0.0017 | |
| 2 | Base Material | Copper C102 | 0.2474 | Copper | 7440-50-8 | 99.98 | 83.3434 | 83.36 |
| | | | | Proprietary Additives | Trade Secret | 0.01 | 0.0083 | |
| | | | | Oxygen | 7782-44-7 | 0.01 | 0.0083 | |
| | | Total Weight | 0.2968 | | | | | |

This Document was updated on: 1-27-2016

Important remarks:

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