


MATERIAL DECLARATION SHEET



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|--------------------|----------------------|-----|-----|---|
| Material Number 01 | PRS12R-4xxxx-xxxx | | |  |
| Product Line | Rotary Potentiometer | | | |
| Compliance Date | 2019-07-10 | | | |
| RoHS Compliant | YES | MSL | N/A | |

| No. | Construction element (subpart) | Homogeneous Material | Material weight [g] | Homogeneous Material \ Substances | CAS-No. If applicable | Material mass % | Material Mass % of total unit wt. | Subpart mass of total wt. (%) |
|-----|--------------------------------|----------------------|---------------------|-----------------------------------|-----------------------|-----------------|-----------------------------------|-------------------------------|
| 1 | Shaft | ψ 6 Aluminum | 1.76 | Aluminum | 7429-90-5 | 92.398 | 30.5965 | 33.1138 |
| | | | | Silicon | 7440-21-3 | 0.15 | 0.0497 | |
| | | | | Iron | 7439-89-6 | 0.31 | 0.1027 | |
| | | | | Copper | 7440-50-8 | 5.5 | 1.8213 | |
| | | | | Zinc | 7440-66-6 | 0.16 | 0.053 | |
| | | | | Tin | 7440-31-5 | 0.87 | 0.2881 | |

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|---|-------------|----------------------|-------|-----------------------|-----------|--------|---------|--------|
| | | | | Lead | 7439-92-1 | 0.002 | 0.0007 | |
| | | | | Bismuth | 7440-69-9 | 0.6 | 0.1987 | |
| | | | | Misc., not to declare | N/A | 0.01 | 0.0033 | |
| 2 | Bushing | Zinc Casting | 1.564 | Aluminum | 7429-90-5 | 4 | 1.177 | 29.426 |
| | | | | Copper | 7440-50-8 | 0.025 | 0.0074 | |
| | | | | Magnesium | 7439-95-4 | 0.037 | 0.0109 | |
| | | | | Iron | 7439-89-6 | 0.05 | 0.0147 | |
| | | | | Zinc | 7440-66-6 | 95.888 | 28.2161 | |
| 3 | C Clip | ψ 0.5 Piano Wire | 0.01 | Iron | 7439-89-6 | 98.512 | 0.1853 | 0.1881 |
| | | | | Carbon | 7440-44-0 | 0.625 | 0.0012 | |
| | | | | Silicon | 7440-21-3 | 0.25 | 0.0005 | |
| | | | | Manganese | 7439-96-5 | 0.6 | 0.0011 | |
| | | | | Phosphorus | 7723-14-0 | 0.01 | 0.00002 | |
| | | | | Sulfur | 7704-34-9 | 0.003 | 0.00001 | |
| 4 | Leaf Spring | t0.3 Phosphor Bronze | 0.137 | Copper | 7440-50-8 | 94.296 | 2.4306 | 2.5776 |
| | | | | Tin | 7440-31-5 | 5.529 | 0.1425 | |
| | | | | Phosphorus | 7723-14-0 | 0.165 | 0.0043 | |
| | | | | Zinc | 7440-66-6 | 0.006 | 0.0002 | |
| | | | | Lead | 7439-92-1 | 0.003 | 0.0001 | |
| | | | | Iron | 7439-89-6 | 0.001 | 0.00003 | |

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|----|----------------------|-----------------------|--------|------------------------------|------------|-------|---------|---------|
| 5 | Element | t0.8 Bakelite Plastic | 0.131 | Cellulose | 65996-61-4 | 44 | 1.0845 | 2.4647 |
| | | | | Phenolic Resin | 9003-35-4 | 56 | 1.3802 | |
| 6 | Resistor | Carbon print | 0.0098 | Additives not to declare | N/A | 3 | 0.0055 | 0.1844 |
| | | | | Carbon | 1333-86-4 | 97 | 0.1789 | |
| | | Silver print | 0.0002 | Phenol resin | 9003-35-4 | 55.5 | 0.0021 | 0.0038 |
| | | | | Silver | 7440-22-4 | 44.5 | 0.0017 | |
| 7 | Slide Contact Holder | PBT | 0.686 | Poly(butylene terephthalate) | 26062-94-2 | 70 | 9.0349 | 12.907 |
| | EL-Block Case | | | Glass Fiber | 65997-17-3 | 30 | 3.8721 | |
| 8 | Slide Contact | T0.12 Nickel Sliver | 0.027 | Copper | 7440-50-8 | 60 | 0.3048 | 0.508 |
| | | | | Zinc | 7440-66-6 | 21.9 | 0.1113 | |
| | | | | Nickel | 7440-02-0 | 18 | 0.0914 | |
| | | | | Manganese | 7439-96-5 | 0.1 | 0.0005 | |
| 9 | EL-Terminal | t0.4 steel | 0.1932 | Iron | 7439-89-6 | 99.6 | 3.62046 | 3.6350 |
| | | | | Carbon | 7440-44-0 | 0.09 | 0.00327 | |
| | | | | Manganese | 7439-96-5 | 0.31 | 0.0112 | |
| | | Tin-plating 5~8μm | 0.0168 | Tin | 7440-31-5 | 100 | 0.3161 | 0.3161 |
| 10 | Attaching plate | t0.5 Tin Coated plate | 0.707 | Iron | 7439-89-6 | 98.32 | 13.0785 | 13.3020 |
| | | | | Carbon | 7440-44-0 | 1.04 | 0.1384 | |
| | | | | Manganese | 7439-96-5 | 0.64 | 0.0851 | |
| | | | 0.073 | Tin | 7440-31-5 | 100 | 1.3735 | 1.3735 |

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| Total weight (g) | 5.315 |
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This Document was updated on: 2019/07/10

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