

RoHS MATERIAL DECLARATION, POWER RESISTOR MHP

| COMPONENTS        | MATERIAL            | CAS No.    | MHP20S  |
|-------------------|---------------------|------------|---------|
| Substrate         | 2-Aluminum 3-Oxide  | 1344-28-1  | 44.573  |
|                   | Silicone 2-Oxide    | 14808-60-7 | 1.214   |
|                   | Calcium Oxide       | 1305-78-8  | 0.708   |
|                   | Magnesium Oxide     | 1309-48-4  | 0.375   |
| Conductor         | Copper              | 7440-50-8  | 0.039   |
| Resistor          | Nickel, 70%         | 7440-02-0  | 0.008   |
|                   | Chromium, 30%       | 7440-47-3  | 0.004   |
| Passivation       | Epoxy               | 25036-25-3 | 0.284   |
| Solder, high temp | Lead                | 7439-92-1  | 9.000   |
|                   | Tin                 | 7440-31-5  | 1.000   |
| Solder, low temp  | Tin                 | 7440-31-5  | 4.825   |
|                   | Silver              | 7440-22-4  | 0.150   |
|                   | Copper              | 7440-50-8  | 0.025   |
| Terminal          | Copper              | 7440-50-8  | 110.000 |
|                   | Tin, plating        | 7440-31-5  | 1.800   |
| Mold, red         | Epoxy               | 25036-25-3 |         |
| Mold, black       | Silica, fusion      | 60676-86-0 | 346.640 |
|                   | Epoxy               | 29690-82-2 | 148.560 |
| Flange            | Copper              | 7440-50-8  | 179.000 |
|                   | Nickel, plating     | 7440-02-0  | 1.800   |
|                   |                     |            |         |
| TOTAL             | Weight (milligrams) |            | 850.005 |