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## Material Content Data Sheet



| <b>Sales Product Name</b> |                    | BFP 780 H6327  |                    | <b>Issued</b>  |                  | 1. August 2018 |                    |           |
|---------------------------|--------------------|----------------|--------------------|----------------|------------------|----------------|--------------------|-----------|
| <b>MA#</b>                |                    | MA001151148    |                    |                |                  |                |                    |           |
| <b>Package</b>            |                    | PG-SOT343-4-2  |                    | <b>Weight*</b> |                  | 6.94 mg        |                    |           |
| Construction Element      | Material Group     | Substances     | CAS# if applicable | Weight [mg]    | Average Mass [%] | Sum [%]        | Average Mass [ppm] | Sum [ppm] |
| chip                      | non noble metal    | tin            | 7440-31-5          | 0.002          | 0.03             |                | 259                |           |
|                           | noble metal        | gold           | 7440-57-5          | 0.007          | 0.10             |                | 1005               |           |
|                           | inorganic material | silicon        | 7440-21-3          | 0.061          | 0.88             | 1.01           | 8849               | 10113     |
| leadframe                 | inorganic material | silicon        | 7440-21-3          | 0.001          | 0.01             |                | 99                 |           |
|                           | non noble metal    | titanium       | 7440-32-6          | 0.003          | 0.05             |                | 497                |           |
|                           | non noble metal    | chromium       | 7440-47-3          | 0.010          | 0.15             |                | 1490               |           |
|                           | non noble metal    | copper         | 7440-50-8          | 3.433          | 49.46            | 49.67          | 494632             | 496718    |
| wire                      | noble metal        | gold           | 7440-57-5          | 0.010          | 0.15             | 0.15           | 1487               | 1487      |
| encapsulation             | organic material   | carbon black   | 1333-86-4          | 0.030          | 0.43             |                | 4318               |           |
|                           | plastics           | epoxy resin    | -                  | 0.644          | 9.28             |                | 92841              |           |
|                           | inorganic material | silicondioxide | 60676-86-0         | 2.323          | 33.47            | 43.18          | 334659             | 431818    |
| leadfinish                | non noble metal    | tin            | 7440-31-5          | 0.199          | 2.87             | 2.87           | 28705              | 28705     |
| plating                   | noble metal        | silver         | 7440-22-4          | 0.216          | 3.12             | 3.12           | 31159              | 31159     |
| *deviation                | < 10%              |                | Sum in total:      |                |                  | 100.00         |                    | 1000000   |

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|----------|--------------------------|
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