



## Material Content Data Sheet



| <b>Sales Product Name</b> |                    | BCX 71G E6327    |                       | <b>Issued</b>  |                        | 29. August 2013 |                          |              |
|---------------------------|--------------------|------------------|-----------------------|----------------|------------------------|-----------------|--------------------------|--------------|
| <b>MA#</b>                |                    | MA000542148      |                       |                |                        |                 |                          |              |
| <b>Package</b>            |                    | PG-SOT23-3-11    |                       | <b>Weight*</b> |                        | 8.81 mg         |                          |              |
| Construction Element      | Material Group     | Substances       | CAS#<br>if applicable | Weight<br>[mg] | Average<br>Mass<br>[%] | Sum<br>[%]      | Average<br>Mass<br>[ppm] | Sum<br>[ppm] |
| chip                      | non noble metal    | arsenic          | 7440-38-2             | 0.000          | 0.00                   |                 | 11                       |              |
|                           | noble metal        | gold             | 7440-57-5             | 0.009          | 0.10                   |                 | 1041                     |              |
|                           | inorganic material | silicon          | 7440-21-3             | 0.039          | 0.44                   | 0.54            | 4445                     | 5497         |
| leadframe                 | non noble metal    | chromium         | 7440-47-3             | 0.008          | 0.09                   |                 | 925                      |              |
|                           | inorganic material | silicon          | 7440-21-3             | 0.001          | 0.01                   |                 | 62                       |              |
|                           | non noble metal    | titanium         | 7440-32-6             | 0.003          | 0.03                   |                 | 308                      |              |
|                           | non noble metal    | copper           | 7440-50-8             | 2.704          | 30.71                  | 30.84           | 307100                   | 308395       |
| wire                      | noble metal        | gold             | 7440-57-5             | 0.012          | 0.14                   | 0.14            | 1391                     | 1391         |
| encapsulation             | organic material   | carbon black     | 1333-86-4             | 0.058          | 0.66                   |                 | 6566                     |              |
|                           | plastics           | brominated resin | -                     | 0.087          | 0.98                   |                 | 9849                     |              |
|                           | inorganic material | antimonytrioxide | 1309-64-4             | 0.116          | 1.31                   |                 | 13132                    |              |
|                           | plastics           | epoxy resin      | -                     | 1.243          | 14.12                  |                 | 141166                   |              |
|                           | inorganic material | silicondioxide   | 60676-86-0            | 4.278          | 48.60                  | 65.67           | 485873                   | 656586       |
| leadfinish                | non noble metal    | tin              | 7440-31-5             | 0.150          | 1.70                   | 1.70            | 16993                    | 16993        |
| plating                   | noble metal        | silver           | 7440-22-4             | 0.098          | 1.11                   | 1.11            | 11138                    | 11138        |
| *deviation                | < 10%              |                  |                       |                |                        | Sum in total:   | 100,00                   | 1000000      |

### Important Remarks:

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