

1. Product information

Supplier : JIANGSU CHANGJING ELECTRONICS TECHNOLOGY CO.,LTD.

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|-----------------------|---------|
| Part Number : | 2N7002K |
| Package Type : | SOT-23 |

2. MATERIAL ANALYSIS DATA SHEET

| Material | Composition | CAS No. | % of weight | % of weight total | |
|----------------------------|----------------|--------------|-------------|-------------------|--------|
| | | | | A | B |
| Wafer | Silicon | 7440-21-3 | 100.00% | 0.61% | 0.57% |
| Lead Frame-A | Copper | 7440-50-8 | 2.00% | 23.72% | 27.65% |
| | Iron | 7439-89-6 | 55.00% | | |
| | Nickel | 7440-02-0 | 41.40% | | |
| | Manganese | 7439-96-5 | 0.80% | | |
| | Silicon | 7440-21-3 | 0.30% | | |
| | Carbon | 7440-44-0 | 0.05% | | |
| | Aluminum | 7429-90-5 | 0.10% | | |
| | Chromium | 7440-47-3 | 0.10% | | |
| | Cobalt | 7440-48-4 | 0.20% | | |
| | Phosphorus | 7723-14-0 | 0.03% | | |
| Lead Frame-B (Optional) | Sulphur | 7704-34-9 | 0.03% | 23.72% | 27.65% |
| | Iron(Fe) | 7439-89-6 | 0.06% | | |
| | Nickel(Ni) | 7440-02-0 | 0.90% | | |
| | Copper (Cu) | 7440-50-8 | 95.35% | | |
| | Stannum (Sn) | 7440-31-5 | 2.00% | | |
| | Phosphorus(P) | 7723-14-0 | 0.09% | | |
| | Zinc (Zn) | 7440-66-6 | 0.80% | | |
| Silver(Ag) | 7440-22-4 | 0.80% | | | |
| Wire | Copper | 7440-50-8 | 98.00% | 0.11% | 0.11% |
| | Other | / | 2.00% | | |
| Mold Compound | Silica | 60676-86-0 | 85.50% | 73.56% | 69.77% |
| | Epoxy Resin | 29690-82-2 | 6.00% | | |
| | Phenol Resin | Trade secret | 5.50% | | |
| | Fire Retardant | Trade secret | 2.50% | | |
| | Carbon black | 1333-86-4 | 0.50% | | |
| Plating | Tin | 7440-31-5 | 99.99% | 2.00% | 1.90% |
| | Other | / | 0.01% | | |

NOTE: weight total "A" for Lead Frame-A, "B" for Lead Frame-B (Optional).

Materials Disclosure Disclaimer: Even though all possible efforts have been made to provide you with the information, It is for guidance only and we cannot guarantee to its accuracy or completeness.