



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Sn96.5/Ag3.0/Cu0.5 Solder Spheres for BGAs

Product Highlights

Chip Quik® BGA solder spheres are manufactured from virgin materials to meet or exceed the requirements of building or repairing BGA packages. Chip Quik® BGA solder spheres also exceed both the IPC and MIL standards for purity levels and size tolerances. Nominal sizes are available from 8 to 30 mil.

Product Specifications

| Part Number | Alloy | Melting Point | Diameter | Quantity (by weight) |
|----------------|--------------------|-----------------------|------------------------|----------------------|
| SMD2016 | Sn96.5/Ag3.0/Cu0.5 | 217-220°C (423-428°F) | 0.008" (0.2mm) | 250,000 |
| SMD2016-25000 | | | | 25,000 |
| SMD2020 | | | 0.010" (0.25mm) | 250,000 |
| SMD2020-25000 | | | | 25,000 |
| SMD2024 | | | 0.012" (0.3mm) | 250,000 |
| SMD2024-25000 | | | | 25,000 |
| SMD2028 | | | 0.014" (0.35mm) | 250,000 |
| SMD2028-25000 | | | | 25,000 |
| SMD2032 | | | 0.016" (0.4mm) | 250,000 |
| SMD2032-25000 | | | | 25,000 |
| SMD2036 | | | 0.018" (0.45mm) | 250,000 |
| SMD2036-25000 | | | | 25,000 |
| SMD2040 | | | 0.020" (0.5mm) | 250,000 |
| SMD2040-25000 | | | | 25,000 |
| SMD2050 | | | 0.024" (0.6mm) | 250,000 |
| SMD2050-25000 | | | | 25,000 |
| SMD2055 | | | 0.025" (0.63mm) | 250,000 |
| SMD2055-25000 | | | | 25,000 |
| SMD2060 | | | 0.030" (0.76mm) | 250,000 |
| SMD2060-25000 | | | | 25,000 |

Shelf Life: >24 months

Test Results

| Test J-STD-004 or other requirements as stated | Test Requirement | Result |
|--|--|--|
| Conflict Minerals Compliance | Electronic Industry Citizenship Coalition (EICC) | Compliant |
| REACH Compliance | Articles 33 and 67 of Regulation (EC) No 1907/2006 | Contains no substance >0.1% w/w that is listed as a SVHC or restricted for use in solder materials |

Conforms to the following Industry Standards:

J-STD-006C, Amendments 1 & 2 (Solder Alloys and Fluxed/Non-Fluxed Solders):
RoHS 2 Directive 2011/65/EU:

Yes
Yes (Sn96.5/Ag3.0/Cu0.5) /
No (Sn63/Pb37)

Additional Alloys Available

| Part Number | Alloy | Melting Point | Diameter | Quantity (by weight) |
|---------------|-----------------|---------------|-----------------|----------------------|
| SMD2140 | Sn63/Pb37 | 183°C (361°F) | 0.008" (0.2mm) | 250,000 |
| SMD2140-25000 | | | | 25,000 |
| SMD2150 | | | 0.010" (0.25mm) | 250,000 |
| SMD2150-25000 | | | | 25,000 |
| SMD2165 | | | 0.012" (0.3mm) | 250,000 |
| SMD2165-25000 | | | | 25,000 |
| SMD2170 | | | 0.014" (0.35mm) | 250,000 |
| SMD2170-25000 | | | | 25,000 |
| SMD2180 | | | 0.016" (0.4mm) | 250,000 |
| SMD2180-25000 | | | | 25,000 |
| SMD2185 | | | 0.018" (0.45mm) | 250,000 |
| SMD2185-25000 | | | | 25,000 |
| SMD2190 | | | 0.020" (0.5mm) | 250,000 |
| SMD2190-25000 | | | | 25,000 |
| SMD2195 | | | 0.022" (0.55mm) | 250,000 |
| SMD2195-25000 | | | | 25,000 |
| SMD2200 | | | 0.024" (0.6mm) | 250,000 |
| SMD2200-25000 | | | | 25,000 |
| SMD2205 | | | 0.025" (0.63mm) | 250,000 |
| SMD2205-25000 | | | | 25,000 |
| SMD2215 | 0.030" (0.76mm) | 250,000 | | |
| SMD2215-25000 | | 25,000 | | |