



SCHEDA TECNICA

Taped Solder Spheres Sn96.5Ag3.0Cu0.5/B43307

EasySpheres Data Sheet Rev5-2020

DATA SHEET SAC305



Go to Downloads | Datasheets to get your copy

Lead-Free Solder Spheres – SAC305

EasySpheres Sn96.5Ag3.0Cu0.5 Solder Balls are manufactured and designed to support optimized ball-attach applications of ball grid array (BGA) and chip scale package (CSP) components. EasySpheres are packaged to resist surface darkening induced by transit tumbling which offers reduced machine vision faults in ball placement systems. We package your product in medical grade ESD Safe containers. Our solder balls are compliant to J-STD-006 and are QR coded for lot conformance traceability and shipping accuracy.



Product Quality

All EasySpheres conform to rigorous quality inspection requirements to include, sphere size and tolerance uniformity, sphericity, alloy purity (per IPC JST006C), manufacturing date to shelf viability and storage history. Our quality initiatives include full product lot traceability for all products sold worldwide. Certificates of Conformance are shipped with every product sold at EasySpheres. We maintain that our spheres conform to all specified manufacturing standards of IPC JSTD006C and comply to ROHS, Reach and Conflict Free Mineral Directives.

Sn96.5Ag3.0Cu0.5 Alloy Standards per JSTD-006C

Alloy Composition Analysis: Wt%															
Item per JSTD-006	Physical Property			Main Component Value							Impurities				
	Solidus	Liquidus	Specific Weight	Sn	Ag	Cu	Sb	Pb	Bi	Zn	Fe	Al	As	Cd	Other Impurities
Standard Limits	217	219	7.38	96.5±0.5	3.0±0.5	0.5±0.5	0.2000	0.0700	0.1000	0.0030	0.0200	0.0050	0.0300	0.0020	



Product Availability

EasySpheres SAC 305 solder spheres are sold in MOQ of 10,000 spheres and we can accommodate 100's of millions of spheres as you require. Stock sizes range from .002" to .035" (0.050mm – 0.889mm) with tight industry standard dimensional tolerances.

Dimensional Tolerances

Size Range in mm	Dimensional Tolerance	Sphericity Deviation	Illuminance
0.050mm to 0.450mm	±0.01 mm	< 1.5%	> 270 Lux
0.500mm to 0.550mm	±0.015 mm	< 1.5%	> 270 Lux
0.600mm to 0.889mm	±0.020 mm	< 1.5%	> 270 Lux

EasySpheres, Incorporated | 12012 SW Powell Butte Highway | Powell Butte, OR 97753