



Length/Width/Diameter(L/W/D) Tolerances

Thickness	Length/Width/Diameter(L/W/D)
< 0.40mm	±0.02mm
≥ 0.40mm to 1.00mm	±0.03mm
≥ 1.00mm	±0.05mm

Thickness Tolerance

Thickness	Common Alloy	Indium Alloy
< 0.05mm	±0.005mm	±0.01mm
≥ 0.05mm to 0.10mm	±0.008mm	±0.01mm
≥ 0.10mm to 0.20mm	±0.01mm	
≥ 0.20mm to 0.40mm	±0.02mm	
≥ 0.40mm to 1.00mm	±0.03mm	
≥ 1.00mm	±5%	

*Available alloy

Alloy		Density g/cm ³	Resistivity uΩ·m	Thermal Conductivity W/m.K	Thermal Expansion 10 ⁻⁶ /°C	Tensile Strength Mpa
Sn16.5In51Bi32.5	60	7.88	0.522	/	22	33.44
In66.3Bi33.7	72	7.99	/	/	/	/
Sn48In52	118	7.3	0.147	34	20	12
Sn50In50	118/125	7.3	0.147	34	20	11.86
Sn54Pb26In20	136/152	8.05	/	/	/	/
Sn42Bi58	138	8.56	0.383	19	15	55.16
Sn64Bi35Ag1	138/187	8.2	0.153	42	19.6	/
Sn42Bi57Ag1	138/140	8.57	/	35	14	/
In97Ag3	143	7.38	0.075	73	22	5.5
Sn43Pb43Bi14	144/163	9.02	/	/	24	44.1
In80Pb15Ag5	149/154	7.85	0.133	43	28	17.58
Sn70Pb18In12	154/167	7.79	0.141	45	24	36.68
In100	157	7.31	0.072	86	29	1.88
In70Pb30	165/175	8.19	0.195	38	28	23.79
Sn62Pb36Ag2	179	8.42	0.145	42	27	44
In60Pb40	174/185	8.52	0.246	29	27	28.61
Sn77.2In20Ag2.8	175/187	7.25	0.176	54	28	46.88
Sn63Pb37	183	8.4	0.146	51	25	52
Sn30Pb70	183/257	9.72	0.185	41	26	33
Sn25Pb75	183/268	9.96	0.194	/	/	23.62
In50Pb50	184/210	8.86	0.287	22	27	32.2
In40Pb60	197/231	9.3	0.331	19	26	34.48
Sn98.5Ag1Cu0.5	215/227	7.32	0.133	60	/	40
Au10Sn90	217	7.78	0.152	50.5	14	50.2
AC305(Sn96.5Ag3.0Cu0.5)	217/218	7.37	0.132	58	21	50
AC387(Sn95.5Ag3.8Cu0.7)	217/220	7.4	0.132	57	22	48

SAC405(Sn95.5Ag4.0Cu0.5)	217/220	7.4	0.132	62	/	51.5
SAC0307(Sn99Ag0.3Cu0.7)	217/227	7.31	0.122	58	20	40
Sn96.5Ag3.5	221	7.37	0.108	33	30	39
Sn95Ag5	221/240	7.4	0.137	/	23	55.2
Sn99.3Cu0.7	227	7.31	/	/	/	/
Sn100	232	7.29	0.111	73	24	13.1
Sn65Ag25Sb10	233	7.8	/	/	36	117.2
Sn95Sb5	235/240	7.25	0.145	28	31	40.7
Sn90Sb10	240/250	7.22	/	42	27	44
Pb75In25	240/260	9.97	0.375	18	26	37.58
Pb88Sn10Ag2	268/290	10.75	0.203	27	29	22.48
Pb90Sn10	275/302	10.75	0.194	29	24.6	32
Au80Sn20	280	14.52	0.224	57	16	276
Sn5Pb92.5Ag2.5	287/296	11.02	0.2	26	24	29.03
In5Pb92.5Ag2.5	300/310	11.02	0.313	25	25	31.44
Au88Ge12	361	14.67	0.151	44	13.4	185
Au96.8Si3.2	363	15.4	/	27	12	255
Sn10Ag60Cu30	600/720	9.58	/	/	/	/
Ag72Cu28	780	10	0.022	352	17.8	250-360
Ag50Cu50	780/870	9.67	/	/	/	/
Ag92.5Cu7.5	/	10.37	/	/	/	/
Au80Cu20	910	15.67	/	/	/	/
Au50Cu50	955/970	12.22	/	/	/	/
Ag100	961	10.49	0.0163	429	20.6	180
Au100	1064	19.3	0.221	318	14	138
Cu100	1083	8.96	0.172	401	17	246