

TABLE 1. Land approximation (mm) for collapsible solder balls.

| NOMINAL BALL DIAMETER | REDUCTION | LAND PATTERN DENSITY LEVEL | NOMINAL LAND DIAMETER | LAND VARIATION |
|------------------------------|------------------|-----------------------------------|------------------------------|-----------------------|
| 0.75 | 25% | A | 0.55 | 0.60 - 0.50 |
| 0.65 | 25% | A | 0.50 | 0.55 - 0.45 |
| 0.60 | 25% | A | 0.45 | 0.50 - 0.40 |
| 0.55 | 25% | A | 0.40 | 0.45 - 0.35 |
| 0.50 | 20% | B | 0.40 | 0.45 - 0.35 |
| 0.45 | 20% | B | 0.35 | 0.40 - 0.30 |
| 0.40 | 20% | B | 0.30 | 0.35 - 0.25 |
| 0.35 | 20% | B | 0.30 | 0.35 - 0.25 |
| 0.30 | 20% | B | 0.25 | 0.25 - 0.20 |
| 0.25 | 20% | B | 0.20 | 0.20 - 0.17 |
| 0.20 | 15% | C | 0.17 | 0.20 - 0.14 |
| 0.17 | 15% | C | 0.15 | 0.18 - 0.12 |
| 0.15 | 15% | C | 0.13 | 0.15 - 0.10 |