

## SSB6553 SERIES – Low Profile SMD Power Inductors



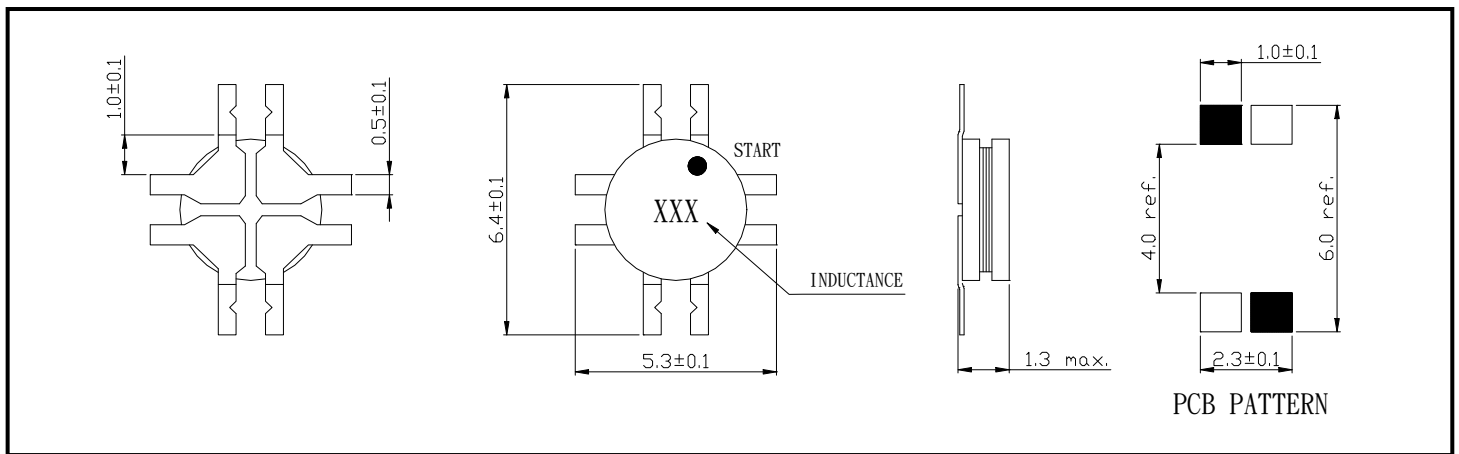
RoHS Compliant

### PART NUMBERING SYSTEM

|            |             |   |             |   |           |
|------------|-------------|---|-------------|---|-----------|
| <b>SSB</b> | <b>6553</b> | — | <b>2R2M</b> | — | <b>LF</b> |
| TYPE       | DIMENSIONS  |   | INDUCTANCE  |   | LEAD FREE |

### SHAPES AND DIMENSIONS

UNIT : mm



### SPECIFICATION TABLE

| PART NUMBER     | INDUCTANCE<br>( $\mu$ H) | DCR ( $\Omega$ )<br>(max) | IDC ( A )<br>(max) | TEST FREQ.<br>( f ) |
|-----------------|--------------------------|---------------------------|--------------------|---------------------|
| SSB6553-2R2M-LF | 2.2 $\pm$ 20%            | 0.117                     | 1.20               | 1KHz                |
| SSB6553-3R3M-LF | 3.3 $\pm$ 20%            | 0.186                     | 0.96               | 1KHz                |
| SSB6553-4R7M-LF | 4.7 $\pm$ 20%            | 0.228                     | 0.90               | 1KHz                |
| SSB6553-6R8M-LF | 6.8 $\pm$ 20%            | 0.288                     | 0.80               | 1KHz                |
| SSB6553-100M-LF | 10 $\pm$ 20%             | 0.450                     | 0.60               | 1KHz                |
| SSB6553-150M-LF | 15 $\pm$ 20%             | 0.552                     | 0.60               | 1KHz                |
| SSB6553-220M-LF | 22 $\pm$ 20%             | 0.780                     | 0.50               | 1KHz                |
| SSB6553-330M-LF | 33 $\pm$ 20%             | 1.098                     | 0.42               | 1KHz                |
| SSB6553-470M-LF | 47 $\pm$ 20%             | 1.656                     | 0.34               | 1KHz                |

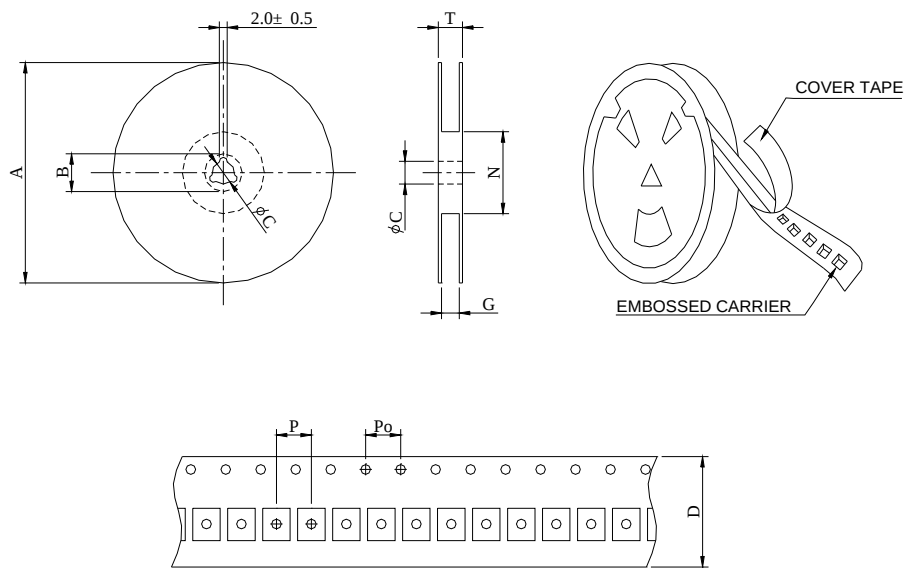
1. Operating temperature range : -40°C to + 125 °C .
2. Test equivalent : HP4284A LCR meter or equivalent .
3. Electrical specifications at 25 °C .

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### PACKAGING SPECIFICATION



| SERIES  | STAYLE | Q' TY<br>(PCS) | DIMENSIONS (m/m) |       |       |    |                 |                 |   |    |      |
|---------|--------|----------------|------------------|-------|-------|----|-----------------|-----------------|---|----|------|
|         |        |                | A                | B±0.8 | C±0.5 | D  | G <sup>+0</sup> | N <sup>-0</sup> | P | Po | T    |
| SSB6553 | 13-16  | 2000           | 330              | 21    | 13    | 16 | 18              | 50              | 8 | 4  | 22.4 |