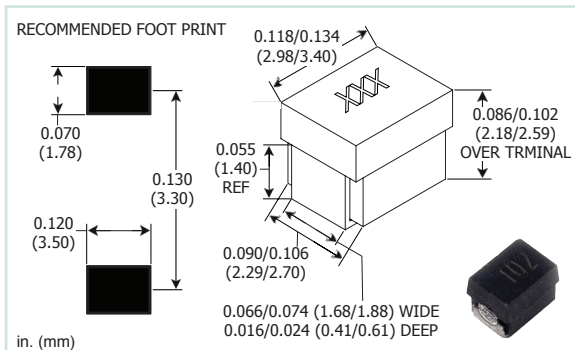


**SML32** TRADITIONAL Pb  
**SML32LF** ROHS COMPLIANT

*Molded Unshielded Inductor*



| PART NUMBER               | L<br>μH | Q<br>MIN | L&Q<br>TEST FREQ<br>MHz | SRF<br>MIN<br>MHz | DCR<br>Ω<br>MAX | CURRENT<br>RATING<br>mA DC |
|---------------------------|---------|----------|-------------------------|-------------------|-----------------|----------------------------|
| <b>PHENOLIC CORE</b>      |         |          |                         |                   |                 |                            |
| SML32-010G                | 0.010   | 15       | 100                     | >1800             | 0.13            | 966                        |
| SML32-012G                | 0.012   | 17       | 100                     | >1800             | 0.14            | 931                        |
| SML32-015G                | 0.015   | 19       | 100                     | >1800             | 0.16            | 871                        |
| SML32-018G                | 0.018   | 21       | 100                     | >1800             | 0.18            | 821                        |
| SML32-022G                | 0.022   | 23       | 100                     | 1700              | 0.20            | 779                        |
| SML32-027G                | 0.027   | 23       | 100                     | 1500              | 0.22            | 743                        |
| SML32-033G                | 0.033   | 25       | 100                     | 1400              | 0.24            | 711                        |
| SML32-039G                | 0.039   | 25       | 100                     | 1300              | 0.27            | 670                        |
| SML32-047G                | 0.047   | 26       | 100                     | 1200              | 0.27            | 636                        |
| SML32-056G                | 0.056   | 26       | 100                     | 1100              | 0.33            | 606                        |
| SML32-068G                | 0.068   | 27       | 100                     | 1000              | 0.36            | 580                        |
| SML32-082G                | 0.082   | 27       | 100                     | 900               | 0.40            | 551                        |
| SML32-100G                | 0.100   | 28       | 100                     | 700               | 0.44            | 525                        |
| <b>POWDERED IRON CORE</b> |         |          |                         |                   |                 |                            |
| SML32-120G                | 0.120   | 30       | 25.2                    | 500               | 0.22            | 971                        |
| SML32-150G                | 0.150   | 30       | 25.2                    | 450               | 0.25            | 910                        |
| SML32-180G                | 0.180   | 30       | 25.2                    | 400               | 0.28            | 860                        |
| SML32-220G                | 0.220   | 30       | 25.2                    | 350               | 0.32            | 805                        |
| SML32-270G                | 0.270   | 30       | 25.2                    | 320               | 0.36            | 749                        |
| SML32-330G                | 0.330   | 30       | 25.2                    | 300               | 0.40            | 720                        |
| SML32-390G                | 0.390   | 30       | 25.2                    | 250               | 0.45            | 679                        |
| SML32-470G                | 0.470   | 30       | 25.2                    | 220               | 0.50            | 644                        |
| SML32-560G                | 0.560   | 30       | 25.2                    | 180               | 0.55            | 614                        |
| SML32-680G                | 0.680   | 30       | 25.2                    | 160               | 0.60            | 588                        |
| SML32-820G                | 0.820   | 30       | 25.2                    | 140               | 0.67            | 556                        |
| SML32-101G                | 1.0     | 30       | 7.96                    | 120               | 0.70            | 544                        |
| SML32-121G                | 1.2     | 30       | 7.96                    | 100               | 0.75            | 526                        |
| SML32-151G                | 1.5     | 30       | 7.96                    | 85                | 0.85            | 494                        |
| SML32-181G                | 1.8     | 30       | 7.96                    | 80                | 0.90            | 480                        |
| SML32-221G                | 2.2     | 30       | 7.96                    | 75                | 1.0             | 455                        |
| SML32-271G                | 2.7     | 30       | 7.96                    | 70                | 1.1             | 434                        |
| <b>FERRITE CORE</b>       |         |          |                         |                   |                 |                            |
| SML32-331G                | 3.3     | 30       | 7.96                    | 60                | 1.2             | 393                        |
| SML32-391G                | 3.9     | 30       | 7.96                    | 55                | 1.3             | 378                        |
| SML32-471G                | 4.7     | 30       | 7.96                    | 50                | 1.5             | 352                        |
| SML32-561G                | 5.6     | 30       | 7.96                    | 47                | 1.6             | 341                        |
| SML32-681G                | 6.8     | 30       | 7.96                    | 43                | 1.8             | 321                        |
| SML32-821G                | 8.2     | 30       | 7.96                    | 40                | 2.0             | 305                        |
| SML32-102G                | 10      | 30       | 2.52                    | 36                | 2.1             | 297                        |
| SML32-122G                | 12      | 30       | 2.52                    | 33                | 2.5             | 272                        |
| SML32-152G                | 15      | 30       | 2.52                    | 30                | 2.8             | 257                        |
| SML32-182G                | 18      | 30       | 2.52                    | 27                | 3.3             | 237                        |
| SML32-222G                | 22      | 30       | 2.52                    | 25                | 3.7             | 224                        |
| SML32-272G                | 27      | 30       | 2.52                    | 20                | 5.0             | 193                        |
| SML32-332G                | 33      | 30       | 2.52                    | 17                | 6.0             | 182                        |
| SML32-392G                | 39      | 30       | 2.52                    | 16                | 6.4             | 170                        |
| SML32-472G                | 47      | 30       | 2.52                    | 15                | 7.0             | 163                        |
| SML32-562G                | 56      | 30       | 2.52                    | 13                | 8.0             | 152                        |
| SML32-682G                | 68      | 30       | 2.52                    | 12                | 9.0             | 144                        |
| SML32-822G                | 82      | 30       | 2.52                    | 9                 | 10              | 136                        |
| SML32-103G                | 100     | 20       | 2.52                    | 8                 | 10              | 120                        |

**NOTES:**

- **Operating Temperature Range:**  
-55°C to +125°C
- **Current Rating** is based on a 35°C temperature rise at an ambient temperature of 90°C
- **Weight Max:** 0.05 grams
- **Marking:** XXX (dash number)  
010
- Epoxy-encapsulated for environmental protection and superior strength to withstand all types of reflow soldering
- When ordering, specify **tolerance & termination:**  
SML32-010KLF

**Tolerance:** M = 20%, K = 10%, J = 5%, G = 2%  
(Table shows lowest standard tolerance option)  
\*Optional tolerances are available; contact factory

**Termination:** LF = RoHS compliant, No Suffix = SnPb

- Custom designs are available to meet your specific requirements; please contact factory

**TAPE AND REEL SPECS:**

|                      |       |
|----------------------|-------|
| Pcs./Reel maximum:   | 2000  |
| Pitch between parts: | 8 mm  |
| Tape width:          | 8 mm  |
| Reel diameter:       | 7 in. |

**SML32** TRADITIONAL Pb  
**SML32LF** RoHS COMPLIANT

*Molded Unshielded Inductor*

