

**HCSM**

**HCSMLF\***

**Wirewound, Toroidal**


| PART<br>NUMBER | L $\mu$ H<br>@ 1kHz | SRF<br>MHz<br>MIN | DCR<br>OHMS<br>MAX | CURRENT<br>RATING<br>A DC | L $\mu$ H<br>w/DC | @I<br>A DC | DIMENSIONS    |               |               |               |               |
|----------------|---------------------|-------------------|--------------------|---------------------------|-------------------|------------|---------------|---------------|---------------|---------------|---------------|
|                |                     |                   |                    |                           |                   |            | A<br>MAX      | B<br>MAX      | C<br>MAX      | D<br>NOM      | E<br>NOM      |
| HC37-1251SM    | 1.25                | 260               | 0.0025             | 17.40                     | 0.81              | 14.3       | 0.615 (15.62) | 0.600 (15.62) | 0.370 (9.40)  | 0.440 (11.18) | 0.500 (12.70) |
| HC37-2101SM    | 2.10                | 160               | 0.0040             | 13.90                     | 1.32              | 11.5       | 0.615 (15.62) | 0.600 (15.62) | 0.370 (9.40)  | 0.440 (11.18) | 0.500 (12.70) |
| HC37-2801SM    | 2.80                | 110               | 0.0063             | 11.00                     | 2.24              | 5.0        | 0.615 (15.62) | 0.600 (15.62) | 0.370 (9.40)  | 0.440 (11.18) | 0.500 (12.70) |
| HC37-4201SM    | 4.20                | 100               | 0.0079             | 9.83                      | 3.36              | 4.0        | 0.615 (15.62) | 0.600 (15.62) | 0.370 (9.40)  | 0.440 (11.18) | 0.500 (12.70) |
| HC44-2801SM    | 2.80                | 110               | 0.0036             | 15.60                     | 1.68              | 13.9       | 0.665 (16.89) | 0.665 (16.89) | 0.400 (10.16) | 0.490 (12.45) | 0.560 (14.22) |
| HC44-4201SM    | 4.20                | 85                | 0.0054             | 12.80                     | 2.50              | 11.4       | 0.665 (16.89) | 0.665 (16.89) | 0.400 (10.16) | 0.490 (12.45) | 0.560 (14.22) |
| HC44-5701SM    | 5.70                | 65                | 0.0075             | 10.90                     | 4.56              | 4.0        | 0.665 (16.89) | 0.665 (16.89) | 0.400 (10.16) | 0.490 (12.45) | 0.560 (14.22) |
| HC44-9001SM    | 9.00                | 55                | 0.0114             | 8.87                      | 7.20              | 3.0        | 0.665 (16.89) | 0.665 (16.89) | 0.400 (10.16) | 0.490 (12.45) | 0.560 (14.22) |
| HC50-6501SM    | 6.50                | 55                | 0.0066             | 12.00                     | 3.50              | 12.4       | 0.740 (18.80) | 0.740 (18.80) | 0.400 (10.16) | 0.560 (14.22) | 0.630 (16.00) |
| HC50-8401SM    | 8.40                | 45                | 0.0083             | 10.80                     | 4.70              | 10.4       | 0.740 (18.80) | 0.740 (18.80) | 0.400 (10.16) | 0.560 (14.22) | 0.630 (16.00) |
| HC50-1252SM    | 12.5                | 35                | 0.0114             | 9.25                      | 10.00             | 3.7        | 0.740 (18.80) | 0.740 (18.80) | 0.400 (10.16) | 0.560 (14.22) | 0.630 (16.00) |
| HC50-1702SM    | 17.0                | 29                | 0.0170             | 7.58                      | 13.60             | 3.4        | 0.740 (18.80) | 0.740 (18.80) | 0.400 (10.16) | 0.560 (14.22) | 0.630 (16.00) |
| HC68-1052SM    | 10.5                | 30                | 0.0062             | 13.20                     | 5.20              | 15.4       | 0.945 (24.0)  | 0.940 (23.88) | 0.400 (10.16) | 0.700 (17.78) | 0.820 (20.83) |
| HC68-1762SM    | 17.6                | 24                | 0.0123             | 9.32                      | 9.40              | 10.9       | 0.945 (24.0)  | 0.940 (23.88) | 0.400 (10.16) | 0.700 (17.78) | 0.820 (20.83) |
| HC68-2202SM    | 22.0                | 21                | 0.0175             | 7.87                      | 17.60             | 3.7        | 0.945 (24.0)  | 0.940 (23.88) | 0.400 (10.16) | 0.700 (17.78) | 0.820 (20.83) |
| HC68-2902SM    | 29.0                | 16                | 0.0250             | 6.57                      | 23.20             | 3.0        | 0.945 (24.0)  | 0.940 (23.88) | 0.400 (10.16) | 0.700 (17.78) | 0.820 (20.83) |

All part numbers provide 20% tolerance on inductance

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

**\*Add "LF" suffix for RoHS requirement. Example: HC37-1251SMLF**

Gowanda designates a component RoHS-compliant by adding "LF" (lead free) to the part number.

These LF components meet the  $\leq .1\%$  lead requirement and they are compatible with 260°C soldering processes.

**NOTES:**

- Operating Temperature Range:  
-30°C to +130°C
- Current Rating is based on a 55°C temperature rise at an ambient temperature of 25°C
- Excellent electromagnetic shielding

**TAPE AND REEL SPECS: HC37**

Pcs./Reel maximum: 250  
Pitch between parts: 24 mm  
Tape width: 32 mm  
Reel diameter: 13 in.

**TAPE AND REEL SPECS: HC44**

Pcs./Reel maximum: 200  
Pitch between parts: 24 mm  
Tape width: 32 mm  
Reel diameter: 13 in.

**TAPE AND REEL SPECS: HC50**

Pcs./Reel maximum: 200  
Pitch between parts: 24 mm  
Tape width: 44 mm  
Reel diameter: 13 in.

**TAPE AND REEL SPECS: HC68**

Pcs./Reel maximum: 150  
Pitch between parts: 32 mm  
Tape width: 44 mm  
Reel diameter: 13 in.

