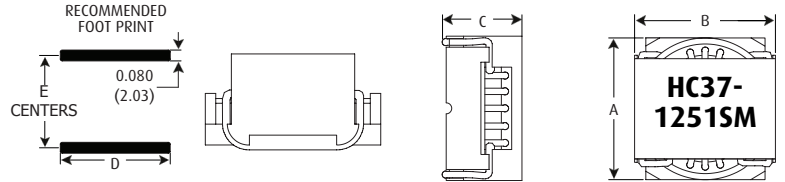


HCSM SERIES



High Current Toroidal Inductor

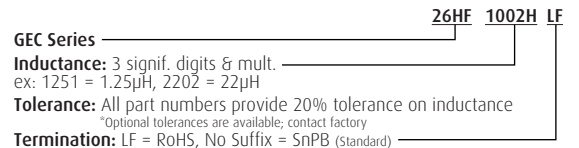


PART NUMBER	L μ H @ 1 kHz	DCR Ω MAX	SRF MHz TYP	CURRENT RATING A DC	L w/ DC	@ I A DC	DIMENSIONS				
							A DIM MAX	B DIM MAX	C DIM MAX	D DIM NOM	E DIM NOM
HC37-1251SM	1.25	0.0025	260	17.4	0.81	14.3	0.615 (15.62)	0.600 (15.62)	0.370 (9.40)	0.440 (11.18)	0.500 (12.70)
HC37-2101SM	2.1	0.0040	160	13.9	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	2.8	0.0063	110	11.0	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	4.2	0.0079	100	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	2.8	0.0036	110	15.6	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	4.2	0.0054	85	12.8	2.23	11.4	0.665 (16.89)	0.665 (16.89)	0.400 (10.16)	0.490 (12.45)	0.560 (14.22)
HC44-5701SM	5.7	0.0075	65	10.9	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	9.0	0.0114	55	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	6.5	0.0066	55	12.0	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	8.4	0.0083	45	10.8	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	0.0114	35	9.25	10.0	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	0.0170	29	7.58	13.6	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	0.0062	30	13.2	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	0.0123	24	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	0.0175	21	7.87	17.6	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	0.0250	16	6.57	23.2	3.0	0.945 (24.0)	0.940 (23.88)	0.400 (10.16)	0.700 (17.78)	0.820 (20.83)

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
- **Weight Max:** 3.5 grams (HC37SM Series), 5.0 grams (HC44SM Series), 7.0 grams (HC50SM Series), 11.5 grams (HC68SM Series)
- **Marking:** Series; XXXXSM (dash number) (see diagram above)
- Excellent Electromagnetic Shielding
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION



TAPE AND REEL SPECS

	HC37	HC44	HC50	HC68
Pieces/reel maximum:	250	200	200	150
Pitch between parts:	24 mm	24 mm	24 mm	32 mm
Tape width:	32 mm	32 mm	44 mm	44 mm
Reel diameter:	13 in.	13 in.	13 in.	13 in.