

# CT8645LLF Series

## From 1.0 $\mu$ H to 1,000 $\mu$ H



### CHARACTERISTICS

- Description:** Low core loss, high current toroid inductors (horizontal and vertical mounting styles).
- Applications:** Switch mode power supplies, DC/DC converters, output chokes, EMI filters
- Operating Temperature:** -55°C to +125°C
- IDC:** Current to cause a 30°C temperature rise
- Testing:** Inductance is tested on an HP4284A at 1kHz
- Packaging:** Bulk
- Miscellaneous:** RoHS Compliant
- Additional Information:** Additional electrical & physical information available upon request
- Samples available. See website for ordering information.**

### SPECIFICATIONS

Part number indicates available inductance tolerance.  
 L =  $\pm 15\%$ , M =  $\pm 20\%$   
 Insert "H" or "V" at the end of part number for mounting style.  
 H = Horizontal Mount / V = Vertical Mount

Part Number	L( $\mu$ H) @ 1kHz	Idc (A)	L( $\mu$ H) @ Irated	DCR ( $\Omega$ ) Max.	Physical Dimensions (inches/mm)		
					A Nom.	B Nom.	C Nom.
CT8645LLF-1R0M-T_	1.0	21.4	0.8	0.002	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-1R5M-T_	1.5	18.5	1.1	0.003	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-2R2M-T_	2.2	16.5	1.5	0.003	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-3R3M-T_	3.3	15.1	2.1	0.003	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-4R7M-T_	4.7	14.0	2.9	0.003	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-5R6M-T_	5.6	13.1	3.3	0.004	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-6R8M-T_	6.8	12.3	3.9	0.004	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-8R2M-T_	8.2	11.7	4.5	0.005	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-100L-T_	10	11.4	5.2	0.005	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-120L-T_	12	10.9	6.1	0.006	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-150L-T_	15	10.5	7.3	0.006	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-180L-T_	18	10.1	8.5	0.007	0.37/9.40	0.80/20.3	0.053/1.35
CT8645LLF-220L-T_	22	7.5	11.8	0.012	0.35/8.89	0.78/19.8	0.042/1.07
CT8645LLF-270L-T_	27	7.3	14.2	0.012	0.35/8.89	0.78/19.8	0.042/1.07
CT8645LLF-330L-T_	33	6.9	16.6	0.014	0.35/8.89	0.78/19.8	0.042/1.07
CT8645LLF-390L-T_	39	6.6	18.8	0.015	0.35/8.89	0.78/19.8	0.042/1.07
CT8645LLF-470L-T_	47	5.2	25.3	0.024	0.33/8.38	0.76/19.3	0.034/0.86
CT8645LLF-560L-T_	56	5.0	29.3	0.026	0.33/8.38	0.76/19.3	0.034/0.86
CT8645LLF-680L-T_	68	4.7	34.0	0.030	0.40/10.2	0.76/19.3	0.034/0.86
CT8645LLF-820L-T_	82	4.6	39.9	0.032	0.40/10.2	0.76/19.3	0.034/0.86
CT8645LLF-101L-T_	100	4.3	46.2	0.036	0.40/10.2	0.76/19.3	0.034/0.86
CT8645LLF-121L-T_	120	4.1	53.5	0.039	0.40/10.2	0.76/19.3	0.034/0.86
CT8645LLF-151L-T_	150	3.9	63.8	0.043	0.40/10.2	0.76/19.3	0.034/0.86
CT8645LLF-181L-T_	180	3.7	73.3	0.048	0.40/10.2	0.76/19.3	0.034/0.86
CT8645LLF-221L-T_	220	3.5	85.1	0.053	0.40/10.2	0.76/19.3	0.034/0.86
CT8645LLF-271L-T_	270	2.7	124.2	0.093	0.37/9.40	0.74/18.8	0.027/0.69
CT8645LLF-331L-T_	330	2.5	145.1	0.103	0.37/9.40	0.74/18.8	0.027/0.69
CT8645LLF-391L-T_	390	2.4	165.4	0.112	0.37/9.40	0.74/18.8	0.027/0.69
CT8645LLF-471L-T_	470	2.3	190.1	0.124	0.38/9.65	0.76/19.3	0.027/0.69
CT8645LLF-561L-T_	560	2.2	217.9	0.134	0.38/9.65	0.76/19.3	0.027/0.69
CT8645LLF-681L-T_	680	2.1	251.9	0.147	0.38/9.65	0.76/19.3	0.027/0.69
CT8645LLF-821L-T_	820	1.6	361.6	0.257	0.37/9.40	0.75/19.1	0.022/0.56
CT8645LLF-102L-T_	1000	1.5	421.5	0.284	0.37/9.40	0.75/19.1	0.022/0.56

### Dimensions: inches/mm

