

## CT8645F Series

From 10 $\mu$ H to 1000 $\mu$ H



### SPECIFICATIONS

Insert "H" or "V" at end of part number for mounting style.

H = Horizontal mount / V = Vertical Mount

Part Number	L( $\pm$ 15%) at 1kHz ( $\mu$ H)	Idc (A)	L( $\pm$ 15%) at Irated ( $\mu$ H)	DCR Max. ( $\Omega$ )	Physical Dimensions (in/mm)		
					A Nom.	B Nom.	C Nom.
CT8645F-100-T_	10	10.8	6.3	0.006	0.34/8.64	0.77/19.6	0.053/1.35
CT8645F-120-T_	12	10.3	7.4	0.007	0.34/8.64	0.77/19.6	0.053/1.35
CT8645F-150-T_	15	7.7	10.2	0.012	0.33/8.38	0.76/19.3	0.042/1.07
CT8645F-180-T_	18	7.4	11.9	0.013	0.33/8.38	0.76/19.3	0.042/1.07
CT8645F-220-T_	22	7.0	14.2	0.015	0.33/8.38	0.76/19.3	0.042/1.07
CT8645F-270-T_	27	5.3	19.1	0.026	0.32/8.13	0.75/19.1	0.034/0.86
CT8645F-330-T_	33	5.0	22.8	0.029	0.32/8.13	0.75/19.1	0.034/0.86
CT8645F-390-T_	39	4.8	26.4	0.032	0.32/8.13	0.75/19.1	0.034/0.86
CT8645F-470-T_	47	3.6	34.7	0.055	0.31/7.87	0.75/19.1	0.027/0.69
CT8645F-560-T_	56	3.4	40.6	0.060	0.31/7.87	0.75/19.1	0.027/0.69
CT8645F-680-T_	68	3.3	48.3	0.067	0.31/7.87	0.75/19.1	0.027/0.69
CT8645F-101-T_	100	2.4	75.2	0.130	0.31/7.87	0.74/18.8	0.022/0.56
CT8645F-121-T_	120	2.2	88.5	0.150	0.31/7.87	0.74/18.8	0.022/0.56
CT8645F-151-T_	150	3.4	84.3	0.062	0.35/8.89	0.79/20.1	0.034/0.86
CT8645F-181-T_	180	2.6	113.1	0.110	0.34/8.64	0.77/19.6	0.027/0.69
CT8645F-221-T_	220	2.4	134.4	0.120	0.34/8.64	0.77/19.6	0.027/0.69
CT8645F-271-T_	270	1.8	181.6	0.210	0.33/8.38	0.76/19.3	0.022/0.56
CT8645F-331-T_	330	1.7	216.3	0.230	0.33/8.38	0.76/19.3	0.022/0.56
CT8645F-391-T_	390	1.7	250.1	0.250	0.33/8.38	0.76/19.3	0.022/0.56
CT8645F-471-T_	470	1.6	293.8	0.280	0.35/8.89	0.76/19.3	0.022/0.56
CT8645F-561-T_	560	1.5	341.5	0.300	0.35/8.89	0.79/20.1	0.022/0.56
CT8645F-681-T_	680	1.4	403.2	0.330	0.35/8.89	0.79/20.1	0.022/0.56
CT8645F-821-T_	820	1.4	472.8	0.370	0.35/8.89	0.79/20.1	0.022/0.56
CT8645F-102-T_	1000	1.3	559.2	0.400	0.37/9.40	0.81/20.6	0.022/0.56

### CHARACTERISTICS

**Description:** High Current Toroid Inductors (Horizontal and Vertical mounting styles).

**Applications:** DC/DC converters, EMI filter applications, etc.

**Inductance Tolerance:**  $\pm$ 15%

**Operating Temperature:** -55°C to +105°C

**IDC:** Current to cause a 30°C max. temperature rise.

**Testing:** Inductance is tested on an HP4284A at 1kHz.

**Packaging:** Bulk.

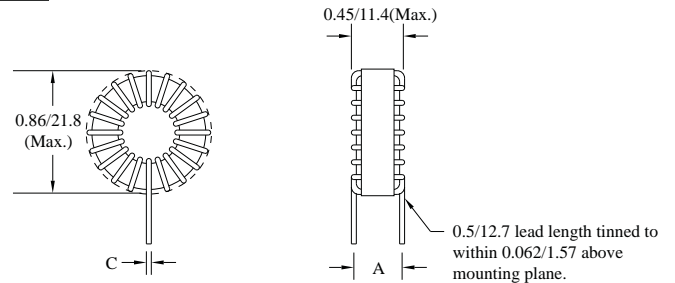
**Miscellaneous:** **RoHS Compliant.**

**Additional Information:** Additional electrical & physical information available upon request.

**Samples available. See website for ordering information.**

Unit: inch/mm

Vertical



Horizontal

