

CTIHSM4825F Series

From 0.22µH to 1,000µH



SPECIFICATIONS

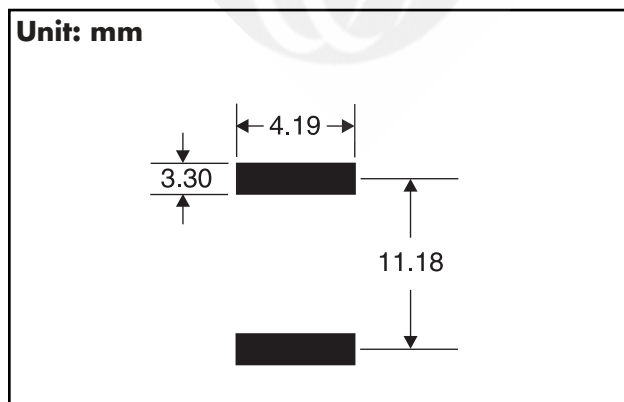
Part numbers indicate tolerance available.
L = ±15%

Part Number	Inductance (µH)	Test Freq. (kHz)	DCR Max. (Ω)	Incremental Current (A)	Rated Current (A)
CTIHSM4825F-R22L	0.22	1.0	0.0080	7.00	7.00
CTIHSM4825F-R27L	0.27	1.0	0.0085	6.75	6.75
CTIHSM4825F-R33L	0.33	1.0	0.0090	6.50	6.50
CTIHSM4825F-R39L	0.39	1.0	0.0095	6.25	6.25
CTIHSM4825F-R47L	0.47	1.0	0.0100	6.00	6.00
CTIHSM4825F-R56L	0.56	1.0	0.0105	5.80	5.80
CTIHSM4825F-R68L	0.68	1.0	0.0110	5.70	5.70
CTIHSM4825F-R82L	0.82	1.0	0.0120	5.60	5.60
CTIHSM4825F-1R0L	1.0	1.0	0.013	4.10	8.60
CTIHSM4825F-1R2L	1.2	1.0	0.018	3.80	7.60
CTIHSM4825F-1R5L	1.5	1.0	0.020	3.50	6.90
CTIHSM4825F-1R8L	1.8	1.0	0.021	3.20	6.50
CTIHSM4825F-2R2L	2.2	1.0	0.029	2.90	5.70
CTIHSM4825F-2R7L	2.7	1.0	0.034	2.60	5.10
CTIHSM4825F-3R3L	3.3	1.0	0.038	2.40	4.60
CTIHSM4825F-3R9L	3.9	1.0	0.042	2.20	4.30
CTIHSM4825F-4R7L	4.7	1.0	0.047	2.00	4.00
CTIHSM4825F-5R6L	5.6	1.0	0.051	1.90	3.80
CTIHSM4825F-6R8L	6.8	1.0	0.058	1.70	3.50
CTIHSM4825F-8R2L	8.2	1.0	0.063	1.50	3.30
CTIHSM4825F-100L	10.0	1.0	0.071	1.40	3.10
CTIHSM4825F-120L	12.0	1.0	0.079	1.30	2.70
CTIHSM4825F-150L	15.0	1.0	0.089	1.20	2.30
CTIHSM4825F-180L	18.0	1.0	0.119	1.10	1.90
CTIHSM4825F-220L	22.0	1.0	0.152	1.02	1.70
CTIHSM4825F-270L	27.0	1.0	0.179	0.95	1.60
CTIHSM4825F-330L	33.0	1.0	0.222	0.88	1.30
CTIHSM4825F-390L	39.0	1.0	0.315	0.80	1.19
CTIHSM4825F-470L	47.0	1.0	0.362	0.74	1.07
CTIHSM4825F-560L	56.0	1.0	0.397	0.68	0.95
CTIHSM4825F-680L	68.0	1.0	0.446	0.62	0.87
CTIHSM4825F-820L	82.0	1.0	0.604	0.56	0.80
CTIHSM4825F-101L	100.0	1.0	0.672	0.50	0.73
CTIHSM4825F-121L	120.0	1.0	0.735	0.45	0.66
CTIHSM4825F-151L	150.0	1.0	0.998	0.40	0.58
CTIHSM4825F-181L	180.0	1.0	1.37	0.35	0.50
CTIHSM4825F-221L	220.0	1.0	1.58	0.32	0.46
CTIHSM4825F-271L	270.0	1.0	1.77	0.30	0.41
CTIHSM4825F-331L	330.0	1.0	2.51	0.28	0.37
CTIHSM4825F-391L	390.0	1.0	2.73	0.26	0.34
CTIHSM4825F-471L	470.0	1.0	3.36	0.24	0.32
CTIHSM4825F-561L	560.0	1.0	3.75	0.23	0.30
CTIHSM4825F-681L	680.0	1.0	4.31	0.20	0.28
CTIHSM4825F-821L	820.0	1.0	6.04	0.17	0.26
CTIHSM4825F-102L	1000.0	1.0	6.90	0.15	0.24

CHARACTERISTICS

- Description:** SMD molded high current inductors
- Applications:** Excellent power line noise filters, filters for switching regulated power supplies, DC/DC converters, SCR and Triac controls and RFI suppression
- Operating Temperature:** -55°C to +125°C
- Inductance Tolerance:** ±15%
- Incremental Current:** The current at which the inductance will be decreased by a maximum of 5% from its initial zero DC value
- Testing:** Tested on a HP4284A at 1kHz
- Packaging:** Tape & Reel
- Miscellaneous:** RoHS Compliant
- Marking:** Parts are marked with inductance code
- Additional Information:** Additional electrical & physical information available upon request
- Samples available.** See website for ordering information.

PAD LAYOUT



PHYSICAL DIMENSIONS

