

CTCMS3F Series

From 35 μH to 1600 μH



CHARACTERISTICS

Description: Common mode choke.

Applications: EMI filters applications, DC/DC Converters, Discrete output supplies, Discrete and point-of-use power supplies (PUPS).

Operating Ambient Temperature: -40°C to +85°C

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Temperature Rise: 40°C

Notes: It is recommended that the temperature of the component (ambient plus temperature rise) does not exceed 125°C under the worst case operating conditions.

Inductance Tolerance: $\pm 35\%$

Testing: Tested on a HP4285A at 100KHz, 0.1Vrms.

Packaging: Tape & Reel

Marking: Parts are marked with inductance value.

Miscellaneous: **RoHS Compliant.**

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

Samples available. See website for ordering information.

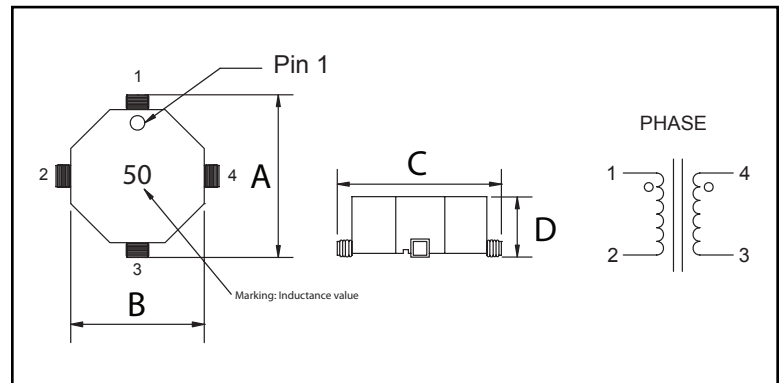
SPECIFICATIONS

Parts are available in $\pm 35\%$ inductance tolerance only.

Part Number	Inductance (μH) (1-2 / 4-3)	Rated Current (A) Max.	DCR (m Ω) Typ. (1-2 / 4-3)	Leakage Inductance (μH) Max.	Capacitance (pF) Typ.
CTCMS3F-35N	35	5.70	4.63	0.31	2.80
CTCMS3F-50N	50	5.10	5.12	0.46	3.05
CTCMS3F-75N	75	4.75	6.52	0.64	3.30
CTCMS3F-105N	105	3.95	7.92	0.85	3.50
CTCMS3F-175N	175	3.10	15.9	1.30	3.70
CTCMS3F-260N	260	2.85	19.5	1.90	3.90
CTCMS3F-310N	310	2.45	25.3	2.20	4.15
CTCMS3F-420N	420	2.00	36.8	3.00	4.40
CTCMS3F-480N	480	1.70	50.2	3.30	4.65
CTCMS3F-620N	620	1.45	62.1	4.20	4.85
CTCMS3F-780N	780	1.20	92.3	5.10	5.10
CTCMS3F-950N	950	1.05	132.1	6.10	5.35
CTCMS3F-1250N	1250	0.88	192.2	7.80	5.55
CTCMS3F-1600N	1600	0.75	286.5	9.60	5.80

PHYSICAL DIMENSIONS

Size	A Max.	B Ref.	C Max.	D Max.
mm	14.3	11.4	14.3	7.0
inches	0.56	0.45	0.56	0.28



PAD LAYOUT

