

CTP5020F Series

From 1.0 μ H to 68 μ H



SPECIFICATIONS

Part numbers indicate available inductance tolerance:
M = $\pm 20\%$, N = $\pm 30\%$

Part Number	Marking	Inductance (μ H)	L Test Freq. (KHz)	DCR (m Ω) $\pm 20\%$	IDC1 (A)	IDC2 (A)
CTP5020F-1R0N	A	1.0	100	43	3.80	2.60
CTP5020F-2R2N	E	2.2	100	61	2.60	2.20
CTP5020F-2R7N	F	2.7	100	75	2.10	2.00
CTP5020F-4R7M	I	4.7	100	100	1.80	1.70
CTP5020F-6R8M	K	6.8	100	110	1.40	1.60
CTP5020F-100M	M	10	100	130	1.10	1.50
CTP5020F-220M	Q	22	100	230	0.75	1.00
CTP5020F-470M	U	47	100	400	0.55	0.75
CTP5020F-680M	W	68	100	650	0.46	0.50

CHARACTERISTICS

Description: SMD Shielded Power Inductor

Applications: Mainly used as a power source inductor for mobile phones, HDDs, LCD panels and DSCs.

Operating Temperature: -40°C to +105°C (includes self temp. rise)

IDC1: Based on inductance change ($\Delta L/L_0 \leq 30\%$) at ambient temp. 25°C

IDC2: Based on temperature rise ($\Delta T: 40^\circ\text{C Typ.}$)

Rated Current: IDC1 or IDC2, whichever value is lower.

Resistance to Solder Heat: 260°C 10 secs.

Inductance Tolerance: $\pm 20\%$, $\pm 30\%$

Testing: Inductance is tested on an HP4284A at 100KHz, 0.1V

Packaging: Tape & Reel

Marking: Parts are marked with letter identifier.

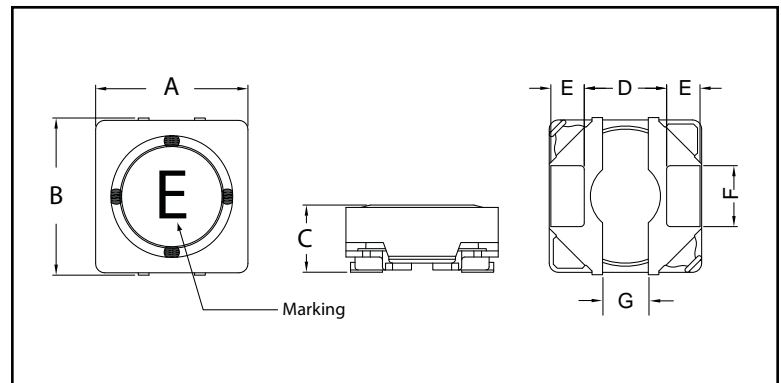
Miscellaneous: **RoHS Compliant.**

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

Samples available. See website for ordering information.

PHYSICAL DIMENSIONS

Size	A	B	C Max.	D Typ.	E Typ.	F Typ.	G Typ.
mm	5.0 \pm 0.2	5.0 \pm 0.3	2.0	2.7	1.16	2.0	1.5
inches	0.197 \pm 0.008	0.197 \pm 0.012	0.079	0.11	0.046	0.079	0.060



PAD LAYOUT

