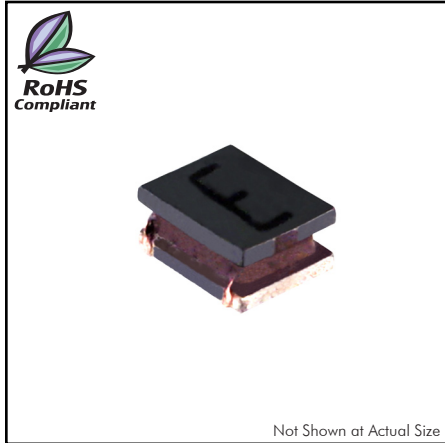


CTVLS100805F Series

From 1.0 μH to 22 μH



CHARACTERISTICS

- Description:** SMD Shielded Power Inductor.
- Applications:** DVCs, DSCs, PDAs, LCD displays, cellular phones, HDDs, etc.
- Operating Temperature:** -25°C to +105°C
- IDC:** For inductance drop 30% from its value without current.
- Irms:** For a 40°C rise above 25°C ambient.
- Inductance Tolerance:** $\pm 20\%$, $\pm 30\%$
- Testing:** Inductance is tested on an HP4286A at 1MHz, 200mV.
- 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.**

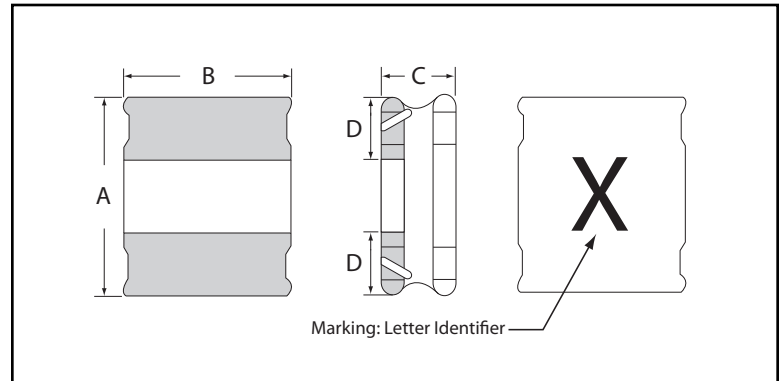
SPECIFICATIONS

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

Part Number	Marking	Inductance (μH)	L Test Freq. (MHz)	DCR $\pm 30\%$ (Ω)	IDC Typ. (mA)	Irms Typ. (mA)
CTVLS100805F-1R0N	A	1.0	1.0	0.105	2800	2200
CTVLS100805F-1R5N	B	1.5	1.0	0.153	2200	1860
CTVLS100805F-2R2M	C	2.2	1.0	0.219	1800	1700
CTVLS100805F-3R3M	D	3.3	1.0	0.349	1300	1200
CTVLS100805F-4R7M	E	4.7	1.0	0.507	1100	1040
CTVLS100805F-5R6M	F	5.6	1.0	0.525	1100	1000
CTVLS100805F-6R8M	G	6.8	1.0	0.760	940	940
CTVLS100805F-100M	H	10	1.0	0.915	820	840
CTVLS100805F-220M	I	22	1.0	2.110	550	540

PHYSICAL DIMENSIONS

Size	A	B	C	D
mm	2.5 \pm 0.2	2.0 \pm 0.2	1.2 \pm 0.05	0.8
inches	0.1 \pm 0.008	0.08 \pm 0.008	0.05 \pm 0.002	0.03



PAD LAYOUT

