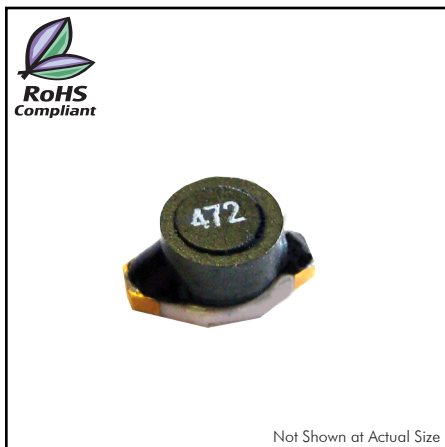


CTDS1608F Series

From 1.0 μ H to 10,000 μ H



CHARACTERISTICS

Description: SMD (shielded) power inductor

Applications: DC/DC converters, computers, LCD displays and telecommunication equipment. Can help achieve significantly longer battery life in hand held communication devices and other portable products

Operating Temperature: -40°C to +85°C

Inductance Tolerance: $\pm 20\%$

Testing: Inductance and Q are tested on an HP4285A at 100kHz

Packaging: Tape & Reel

Marking: Inductance code or letter identifier

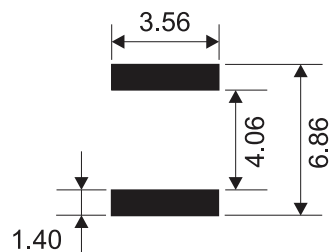
Miscellaneous: **RoHS Compliant.** Magnetically shielded

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

Samples available. See website for ordering information.

PAD LAYOUT

Unit: mm



SPECIFICATIONS

Parts are available in $\pm 20\%$ inductance tolerance only.

Part Number	Inductance (μ H $\pm 20\%$)	L Test Freq. (kHz)	Q Fact. Min.	Q Test Freq. (kHz)	DCR Max. (Ω)	IDC Max. (A)	SRF Typ. (MHz)
CTDS1608CF-102	1.0	100	30	200	.040	3.0	250
CTDS1608CF-152	1.5	100	30	200	.045	2.8	125
CTDS1608CF-222	2.2	100	40	200	.050	1.8	120
CTDS1608CF-332	3.3	100	40	200	.055	1.6	120
CTDS1608CF-472	4.7	100	40	200	.060	1.4	105
CTDS1608CF-682	6.8	100	40	200	.065	1.2	50
CTDS1608CF-103	10	100	40	200	.075	1.0	38
CTDS1608CF-153	15	100	40	100	.090	0.8	33
CTDS1608CF-223	22	100	40	100	.110	0.7	25
CTDS1608CF-333	33	100	40	100	.190	0.6	20
CTDS1608CF-473	47	100	40	100	.230	0.5	20
CTDS1608CF-683	68	100	40	100	.290	0.4	15
CTDS1608CF-104	100	100	40	100	.480	0.3	10
CTDS1608CF-154	150	100	40	100	.590	.26	9
CTDS1608CF-224	220	100	40	100	.770	.22	6
CTDS1608CF-334	330	100	40	100	1.4	.20	5
CTDS1608CF-474	470	100	40	100	1.8	.19	4
CTDS1608CF-684	680	100	40	100	2.2	.18	3
CTDS1608CF-105	1000	100	40	100	3.4	.15	2
CTDS1608CF-155	1500	100	50	100	4.2	.12	2
CTDS1608CF-225	2200	100	50	100	8.5	.10	2
CTDS1608CF-335	3300	100	50	100	11.0	.08	1
CTDS1608CF-475	4700	100	50	100	13.9	.06	1
CTDS1608CF-685	6800	100	50	100	25.0	.04	1
CTDS1608CF-825	8200	100	50	100	30.5	.02	1
CTDS1608CF-106	10000	100	50	100	32.8	.02	0.8

PHYSICAL DIMENSIONS

Size	A	B	C	D	E	F	G
	Max.	Max.	Max.				
mm	6.6	4.45	2.92	1.02	1.27	4.32	3.05
inches	0.26	0.18	0.12	0.04	0.05	0.17	0.1

Parts will be marked with Inductance code or letter identifier

