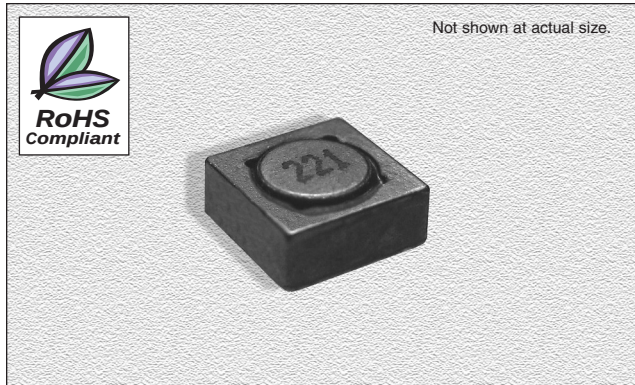


CTSD25F Series

From 0.47 μH to 1000 μH



CHARACTERISTICS

Description: SMD (shielded) power inductor

Applications: Digital cameras, CD players, cellular phones, PDAs, PCMCIA cards, GPS systems, etc.

Operating Temperature: -40°C to +85°C

Inductance Tolerance: $\pm 20\%$

Testing: Tested on a HP4285A at 100 KHz

Packaging: Tape & Reel

Marking: Parts are marked with inductance code

Miscellaneous: RoHS Compliant.

Additional Information: Additional electrical & physical information available upon request

Samples available. See website for ordering information.

SPECIFICATIONS

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

*I_{rms}: Average current for 40°C temp. rise from 25°C ambient.

**I_{sat}: DC current at which the inductance drops 30% typ. from its value without current.

Part Number	Inductance ($\mu\text{H} \pm 20\%$)	L Test Freq. (KHz)	DCR Max. (Ω)	*I _{rms} Max. (A)	**I _{sat} Max. (A)
CTSD25F-R47M	0.47	100	0.0221	3.88	6.00
CTSD25F-R82M	0.82	100	0.0260	3.58	4.67
CTSD25F-1R2M	1.20	100	0.0300	3.33	3.81
CTSD25F-1R5M	1.50	100	0.0343	3.12	3.23
CTSD25F-2R2M	2.20	100	0.0389	2.93	2.80
CTSD25F-3R3M	3.30	100	0.0480	2.64	2.21
CTSD25F-4R7M	4.70	100	0.0584	2.39	1.83
CTSD25F-6R2M	6.20	100	0.0695	2.19	1.56
CTSD25F-8R2M	8.20	100	0.0905	1.92	1.45
CTSD25F-100M	10.0	100	0.1030	1.80	1.27
CTSD25F-150M	15.0	100	0.1195	1.67	1.08
CTSD25F-220M	22.0	100	0.1848	1.34	0.857
CTSD25F-330M	33.0	100	0.2686	1.11	0.711
CTSD25F-470M	47.0	100	0.3945	0.919	0.592
CTSD25F-680M	68.0	100	0.6063	0.741	0.482
CTSD25F-820M	82.0	100	0.6553	0.713	0.441
CTSD25F-101M	100	100	0.7421	0.670	0.398
CTSD25F-151M	150	100	1.0904	0.553	0.328
CTSD25F-221M	220	100	1.6750	0.446	0.268
CTSD25F-331M	330	100	2.5875	0.359	0.129
CTSD25F-471M	470	100	3.8750	0.293	0.184
CTSD25F-681M	680	100	4.8500	0.262	0.154
CTSD25F-821M	820	100	6.3000	0.230	0.139
CTSD25F-102M	1000	100	7.1250	0.216	0.126

PHYSICAL DIMENSIONS

Size	A Max.	B Max.	C Max.
mm	5.5	5.5	2.8
inches	0.217	0.217	0.110

02.04.14