

TDCS Series (Rev. 1.0)



Features

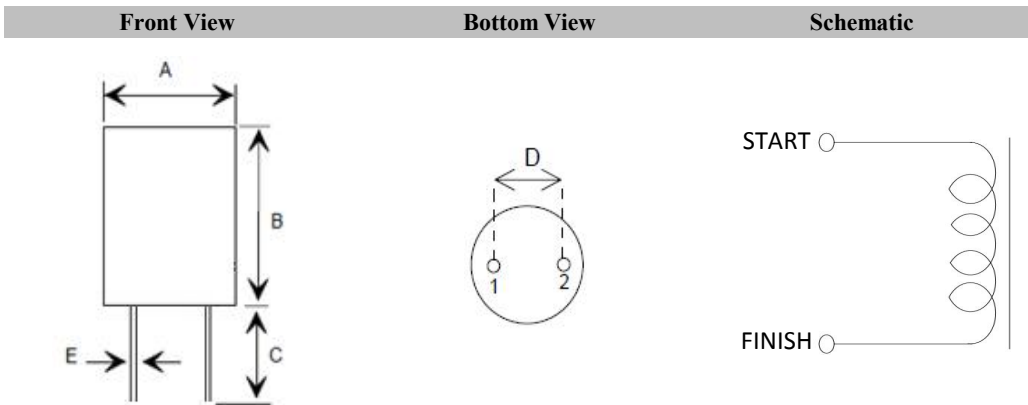
- * Drum Choke with Shielding for good effect in EMI.
- * To help you go pass the CE/FCC standard

Product Identification

TDCS 0810 - 100 M
 1 2 3 4

1. Product Code
2. Size Code
3. Inductance: 10uH
4. Tolerance: M=±20%

Dimension: [mm]



Size Code	A(max.)	B(max.)	C(max.)	D(±0.5)	E(±0.1)
0810	9.0	11.5	15.0	3.0	0.6
1012	11.0	13.0	15.0	5.0	0.6
1014	11.0	15.0	15.0	5.0	0.6
1214	13.0	15.0	15.0	5.5	0.8
1518	16.0	19.5	15.0	7.5	0.8

Application

- * PC Device
- * Handheld Device
- * LCD
- * IA

Operating & Storage Condition

- * Operating Temp. : -40 to +85°C
- * Storage Temp. : -40 to +35°C
- * Storage Life Time: 12 Months @25°C , RH 65%

Test Equipment

- * HP484A,HP42841A-L,IDC.Q.RDC
- * HP8753D Network Analyzer-SRF

Standard Atmospheric Conditions

- * Ambient Temp : 20+/-15°C
- * Relative Humidity : 65+/-20%



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Electrical Characteristics

P/N	Inductance (uH)	DCR (mΩ) max.	IDC (A) max.
TDCS0810-3R3M	3.3	20	3.5
TDCS0810-4R7M	4.7	30	3.5
TDCS0810-100M	10	40	2.5
TDCS0810-150M	15	50	2.0
TDCS0810-220M	22	60	1.5
TDCS0810-330M	33	70	1.5
TDCS0810-470M	47	100	1.0
TDCS0810-560M	56	180	1.0
TDCS0810-680M	68	200	0.9
TDCS0810-820M	82	250	0.9
TDCS0810-101M	100	300	0.8
TDCS0810-151M	150	500	0.7
TDCS0810-221M	220	700	0.6
TDCS0810-331M	330	900	0.5
TDCS0810-471M	470	1000	0.4
TDCS0810-561M	560	1200	0.3
TDCS0810-681M	680	1400	0.3
TDCS0810-821M	820	1700	0.2
TDCS0810-102M	1000	2000	0.2
TDCS0810-112M	1100	2300	0.2
TDCS0810-122M	1200	2500	0.1
TDCS0810-152M	1500	3000	0.1
TDCS1012-3R3M	3.3	20	6.0
TDCS1012-4R7M	4.7	30	5.5
TDCS1012-100M	10	40	5.0
TDCS1012-150M	15	40	3.5
TDCS1012-220M	22	50	3.0
TDCS1012-330M	33	60	2.0
TDCS1012-470M	47	70	1.5
TDCS1012-560M	56	100	1.5
TDCS1012-680M	68	120	1.5
TDCS1012-820M	82	180	1.2
TDCS1012-101M	100	210	1.2
TDCS1012-151M	150	250	1.1
TDCS1012-221M	220	300	0.9
TDCS1012-331M	330	800	0.7
TDCS1012-471M	470	1000	0.5
TDCS1012-561M	560	1100	0.5
TDCS1012-681M	680	1200	0.4
TDCS1012-821M	820	1300	0.4
TDCS1012-102M	1000	1700	0.3
TDCS1012-112M	1100	1800	0.3
TDCS1012-122M	1200	2500	0.2
TDCS1012-152M	1500	3000	0.2

* Test Freq.: @1KHz / 0.25V

* Inductance Drop: 20% typ. At IDC.

* Tolerance: M= ±20%



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P/N	Inductance (uH)	DCR (mΩ) max.	IDC (A) max.
TDCS1014-3R3M	3.3	20	6.0
TDCS1014-4R7M	4.7	30	5.5
TDCS1014-100M	10	40	5.0
TDCS1014-150M	15	40	4.0
TDCS1014-220M	22	50	3.8
TDCS1014-330M	33	60	3.2
TDCS1014-470M	47	70	2.0
TDCS1014-560M	56	100	2.0
TDCS1014-680M	68	120	2.0
TDCS1014-820M	82	180	1.5
TDCS1014-101M	100	210	1.5
TDCS1014-151M	150	250	1.2
TDCS1014-221M	220	300	0.9
TDCS1014-331M	330	800	0.7
TDCS1014-471M	470	1000	0.5
TDCS1014-561M	560	1100	0.5
TDCS1014-681M	680	1200	0.4
TDCS1014-821M	820	1300	0.4
TDCS1014-102M	1000	1700	0.3
TDCS1014-112M	1100	1800	0.3
TDCS1014-122M	1200	2500	0.2
TDCS1014-152M	1500	3000	0.2
TDCS1214-3R3M	3.3	20	9.0
TDCS1214-4R7M	4.7	30	8.5
TDCS1214-100M	10	40	6.0
TDCS1214-150M	15	40	5.5
TDCS1214-220M	22	50	4.5
TDCS1214-330M	33	60	3.5
TDCS1214-470M	47	70	3.0
TDCS1214-560M	56	100	3.0
TDCS1214-680M	68	120	2.5
TDCS1214-820M	82	180	2.5
TDCS1214-101M	100	210	2.0
TDCS1214-151M	150	250	1.5
TDCS1214-221M	220	300	1.2
TDCS1214-331M	330	800	0.9
TDCS1214-471M	470	1000	0.8
TDCS1214-561M	560	1100	0.7
TDCS1214-681M	680	1200	0.6
TDCS1214-821M	820	1300	0.5
TDCS1214-102M	1000	1700	0.4
TDCS1214-112M	1100	1800	0.4
TDCS1214-122M	1200	2500	0.3
TDCS1214-152M	1500	3000	0.3

* Test Freq.: @1KHz / 0.25V

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Electrical Characteristics

P/N	Inductance (μ H)	DCR ($m\Omega$) max.	IDC (A) max.
TDCS1518-3R3M	3.3	20	12.0
TDCS1518-4R7M	4.7	30	11.0
TDCS1518-100M	10	40	9.0
TDCS1518-150M	15	40	7.5
TDCS1518-220M	22	50	7.0
TDCS1518-330M	33	60	6.5
TDCS1518-470M	47	70	6.0
TDCS1518-560M	56	100	5.5
TDCS1518-680M	68	120	5.0
TDCS1518-820M	82	180	4.0
TDCS1518-101M	100	210	3.5
TDCS1518-151M	150	250	3.0
TDCS1518-221M	220	300	2.0
TDCS1518-331M	330	800	2.0
TDCS1518-471M	470	1000	1.5
TDCS1518-561M	560	1100	1.5
TDCS1518-681M	680	1200	1.0
TDCS1518-821M	820	1300	0.9
TDCS1518-102M	1000	1700	0.8
TDCS1518-112M	1100	1800	0.7
TDCS1518-122M	1200	2500	0.6
TDCS1518-152M	1500	3000	0.5

* Test Freq.: @1KHz / 0.25V

* Inductance Drop: 20% typ. At IDC.

* Tolerance: M= \pm 20%

