

FDCS series (Rev. 4.0)



Features

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

Product Identification

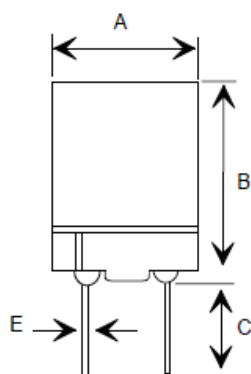
FDCS 0807 - 100 K

1 2 3 4

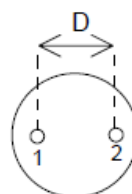
1. Product Code
2. Size Code
3. Inductance: 10uH
4. Tolerance: K=10% (J=5%, L=15%, M=20%, N=30%)

Dimension & Recommended PAD Layout: [mm]

Front View



Bottom View



Size Code	A(max.)	B(max.)	C(±1.5)	D(±0.5)	E(±0.5)
0606	6.5	6.5	4.0	4.0	0.50
0807	8.3	7.5	5.0	5.0	0.65

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%

Electrical Characteristics

[illegible]

* Customized specifications are also welcome.

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Electrical Characteristics

P/N	Inductance @ 1KHz /0.25V	DCR (Ω) max.	IDC (A) max.
FDCS0807-220K	22.0	0.800	1.60
FDCS0807-270K	27.0	0.100	1.40
FDCS0807-330K	33.0	0.140	1.30
FDCS0807-390K	39.0	0.150	1.20
FDCS0807-470K	47.0	0.170	1.10
FDCS0807-560K	56.0	0.190	0.99
FDCS0807-680K	68.0	0.210	0.89
FDCS0807-820K	82.0	0.270	0.81
FDCS0807-101K	100.0	0.320	0.74
FDCS0807-121K	120.0	0.360	0.67
FDCS0807-151K	150.0	0.510	0.60
FDCS0807-181K	180.0	0.570	0.55
FDCS0807-221K	220.0	0.760	0.50
FDCS0807-271K	270.0	0.860	0.45
FDCS0807-331K	330.0	0.970	0.41
FDCS0807-391K	390.0	1.280	0.37
FDCS0807-471k	470.0	1.440	0.34
FDCS0807-561K	560.0	1.610	0.31
FDCS0807-681k	680.0	2.070	0.28
FDCS0807-821k	820.0	2.330	0.26
FDCS0807-102k	1000.0	2.720	0.23
FDCS0807-122K	1200.0	3.980	0.21
FDCS0807-152K	1500.0	4.500	0.19
FDCS0807-182K	1800.0	6.810	0.17
FDCS0807-222K	2200.0	7.560	0.16
FDCS0807-272K	2700.0	8.540	0.14
FDCS0807-332K	3300.0	9.740	0.13
FDCS0807-392K	3900.0	12.900	0.12
FDCS0807-472K	4700.0	14.700	0.11
FDCS0807-562K	5600.0	20.400	0.99
FDCS0807-682K	6800.0	23.000	0.89
FDCS0807-822K	8200.0	30.600	0.08
FDCS0807-103K	10000.0	35.000	0.07

* Inductance Drop: 10% typ. At IDC.

* Tolerance: J=5%,K= ±10%, M= ±20%, N= ±30%.

* Customized specifications are also welcome.