

CJD6057

AEC-Q200



■ Features

- Magnetically unshielded structure, high current.
- High reliability in deflection and shock resistance metalized electrode.
- Suitable for power supply choke coil.
- AEC-Q200 compliant
- Operating temperature : -40°C~+125°C(The self-heating is included)

Magnetic structure :

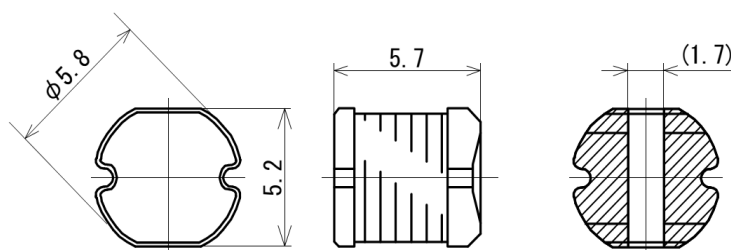


Weight : 0.52 g

■ Applications

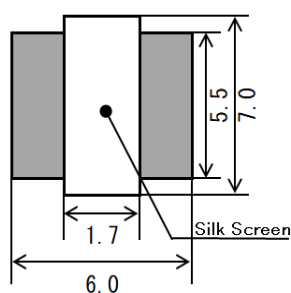
- Audio Visual/Camera
- Automotive/Car Tuner
- Computer & Peripheral Device/Printer(MFP)
- Home Electronics/LED Lights
- Others/Power Supply,FA

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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■ Specifications

SAGAMI Part No.	Inductance (μH)	DCR (mΩ)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)
		max.	Typical		
CJD6057-102K	1000±10%	3.70	2.82	0.128	0.253
CJD6057-122K	1200±10%	4.10	3.17	0.119	0.239
CJD6057-152K	1500±10%	5.40	4.16	0.106	0.209
CJD6057-182K	1800±10%	7.00	5.45	0.101	0.180
CJD6057-222K	2200±10%	8.00	6.27	0.0930	0.167
CJD6057-272K	2700±10%	9.30	7.16	0.0810	0.150
CJD6057-332K	3300±10%	12.2	9.41	0.0740	0.135
CJD6057-392K	3900±10%	15.7	12.2	0.0660	0.117
CJD6057-472K	4700±10%	17.9	13.9	0.0610	0.108
CJD6057-562K	5600±10%	20.1	15.5	0.0550	0.104
CJD6057-682K	6800±10%	27.0	21.0	0.0480	0.0890
CJD6057-822K	8200±10%	30.6	24.0	0.0470	0.0880
CJD6057-103K	10000±10%	43.0	33.6	0.0420	0.0690
CJD6057-123K	12000±10%	48.8	38.1	0.0380	0.0650
CJD6057-153K	15000±10%	56.7	44.2	0.0330	0.0620
CJD6057-183K	18000±10%	64.5	50.2	0.0310	0.0550
CJD6057-223K	22000±10%	96.5	77.6	0.0280	0.0440
CJD6057-273K	27000±10%	111.8	89.5	0.0250	0.0410
CJD6057-333K	33000±10%	129.1	105.0	0.0220	0.0370

Inductance Measuring Condition:1kHz,1V

DC saturation allowable current:The current value which inductance decrease within 10% from the initial value

Temperature rise allowable current:The rise in temperature of core surface is within 40°C



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DC bias characteristics vs Temperature Rise Graph

■ $L(25^{\circ}\text{C})$ ■ ΔT

