

SQR8065CA

AEC-Q200

2in1



■ Features

- Small size and high efficiency are realized with the 2 in 1 structure, developed specifically for the SEPIC and ZETA converter.
- Magnetically shielded structure, high current.
- Four terminals structure for resisting to mechanical shock and vibration.
- AEC-Q200 compliant
- Operating temperature : -40°C~+125°C(The self-heating is included)

Magnetic structure :

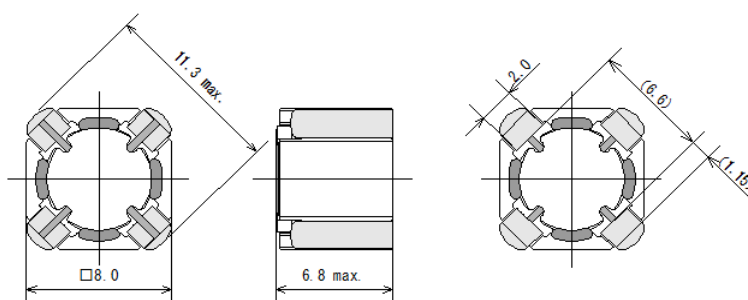


Weight : 1.4 g

■ Applications

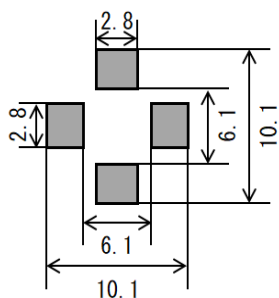
- Audio Visual/Camera
- Automotive/ECU,LED Headlights,Car Audio,Car Navigation
- Others/Power Supply,FA

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR max. (Ω)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)	
		④-③	①-②		One winding	Series connection
SQR8065CA-1R3A	1.3 $\pm$ 35%	0.0160	0.0160	7.65	4.30	3.20
SQR8065CA-1R8A	1.8 $\pm$ 35%	0.0200	0.0200	6.55	3.90	2.85
SQR8065CA-2R4A	2.4 $\pm$ 35%	0.0230	0.0230	5.50	3.60	2.60
SQR8065CA-3R3A	3.3 $\pm$ 35%	0.0300	0.0300	4.75	3.10	2.25
SQR8065CA-3R9A	3.9 $\pm$ 35%	0.0340	0.0340	4.15	2.90	2.15
SQR8065CA-4R7A	4.7 $\pm$ 35%	0.0390	0.0390	3.85	2.70	2.00
SQR8065CA-5R6A	5.6 $\pm$ 35%	0.0480	0.0480	3.45	2.45	1.80
SQR8065CA-6R8N	6.8 $\pm$ 30%	0.0530	0.0530	3.00	2.25	1.70
SQR8065CA-7R5N	7.5 $\pm$ 30%	0.0650	0.0650	2.90	2.05	1.50
SQR8065CA-9R1N	9.1 $\pm$ 30%	0.0700	0.0700	2.75	1.95	1.45
SQR8065CA-100M	10 $\pm$ 20%	0.0770	0.0770	2.45	1.90	1.40
SQR8065CA-120M	12 $\pm$ 20%	0.0930	0.0930	2.40	1.70	1.30
SQR8065CA-150M	15 $\pm$ 20%	0.110	0.110	2.05	1.60	1.20
SQR8065CA-180M	18 $\pm$ 20%	0.130	0.130	1.85	1.50	1.10
SQR8065CA-220M	22 $\pm$ 20%	0.150	0.150	1.70	1.35	1.00
SQR8065CA-270M	27 $\pm$ 20%	0.180	0.180	1.60	1.25	0.920
SQR8065CA-330M	33 $\pm$ 20%	0.230	0.230	1.40	1.10	0.820
SQR8065CA-390M	39 $\pm$ 20%	0.260	0.260	1.30	1.05	0.770
SQR8065CA-470M	47 $\pm$ 20%	0.320	0.320	1.15	0.950	0.710
SQR8065CA-560M	56 $\pm$ 20%	0.390	0.390	1.05	0.850	0.640
SQR8065CA-680M	68 $\pm$ 20%	0.480	0.480	1.00	0.750	0.580
SQR8065CA-820M	82 $\pm$ 20%	0.580	0.580	0.900	0.680	0.530
SQR8065CA-101M	100 $\pm$ 20%	0.710	0.710	0.800	0.620	0.480
SQR8065CA-121M	120 $\pm$ 20%	0.770	0.770	0.750	0.590	0.460
SQR8065CA-151M	150 $\pm$ 20%	1.00	1.00	0.650	0.520	0.400

Inductance Measuring Condition:100kHz,1V

DC saturation allowable current:The current value which inductance decrease within 30% from the initial value

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



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