

SQR8065C

AEC-Q200

2in1



■ Features

- Small size and high efficiency are realized with the 2 in 1 structure, developed specifically for the SEPIC and ZETA c
- 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 :

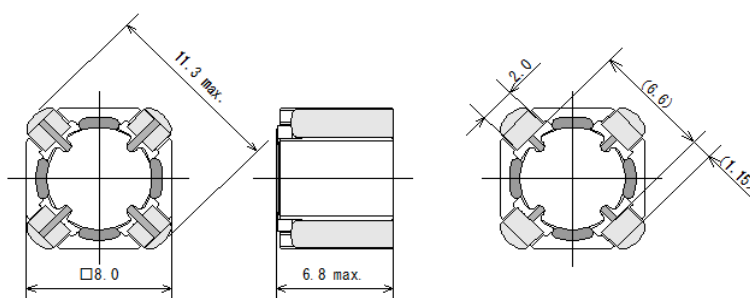


Weight : 1.4 g

■ Applications

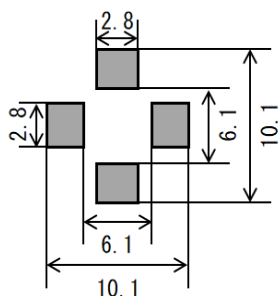
- Audio Visual/Camera
- Automotive/LED Headlights, Car Audio, Car Navigation, ECU
- Others/Power Supply, FA

■ Dimensions



(Unit : mm)

■ Recommended Land Pattern



(Unit : mm)



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■ Specifications

SAGAMI Part No.	Inductance (μ H)	DCR $\pm 30\%$ (Ω)		DC Saturation Allowable Current (A)	Temperature Rise Allowable Current (A)	
		④-③	②-①		One winding	Series connection
SQR8065C-1R2N	1.2 $\pm 30\%$	0.0110	0.0120	8.00	4.50	3.35
SQR8065C-1R5N	1.5 $\pm 30\%$	0.0130	0.0140	6.55	4.00	3.05
SQR8065C-2R2N	2.2 $\pm 30\%$	0.0150	0.0170	5.50	3.70	2.80
SQR8065C-3R0N	3 $\pm 30\%$	0.0200	0.0220	4.75	3.20	2.45
SQR8065C-3R6N	3.6 $\pm 30\%$	0.0220	0.0250	4.15	3.00	2.30
SQR8065C-4R3N	4.3 $\pm 30\%$	0.0250	0.0290	3.85	2.80	2.15
SQR8065C-5R6N	5.6 $\pm 30\%$	0.0300	0.0350	3.45	2.50	1.95
SQR8065C-6R2N	6.2 $\pm 30\%$	0.0330	0.0390	3.10	2.30	1.85
SQR8065C-7R5N	7.5 $\pm 30\%$	0.0410	0.0480	3.00	2.10	1.65
SQR8065C-9R1N	9.1 $\pm 30\%$	0.0440	0.0520	2.75	2.00	1.55
SQR8065C-100M	10 $\pm 20\%$	0.0470	0.0570	2.55	1.95	1.50
SQR8065C-120M	12 $\pm 20\%$	0.0590	0.0700	2.40	1.75	1.35
SQR8065C-150M	15 $\pm 20\%$	0.0670	0.0810	2.05	1.65	1.25
SQR8065C-180M	18 $\pm 20\%$	0.0790	0.0960	1.85	1.50	1.15
SQR8065C-220M	22 $\pm 20\%$	0.0930	0.110	1.70	1.35	1.05
SQR8065C-270M	27 $\pm 20\%$	0.110	0.140	1.60	1.25	0.950
SQR8065C-330M	33 $\pm 20\%$	0.140	0.170	1.40	1.10	0.850
SQR8065C-390M	39 $\pm 20\%$	0.160	0.200	1.30	1.05	0.800
SQR8065C-470M	47 $\pm 20\%$	0.200	0.240	1.15	0.950	0.730
SQR8065C-560M	56 $\pm 20\%$	0.240	0.300	1.05	0.850	0.650
SQR8065C-680M	68 $\pm 20\%$	0.300	0.360	1.00	0.750	0.600
SQR8065C-820M	82 $\pm 20\%$	0.360	0.440	0.900	0.680	0.530
SQR8065C-101M	100 $\pm 20\%$	0.450	0.540	0.800	0.620	0.480
SQR8065C-121M	120 $\pm 20\%$	0.480	0.590	0.750	0.590	0.460
SQR8065C-151M	150 $\pm 20\%$	0.630	0.770	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℃



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