

SQR1065C

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 :

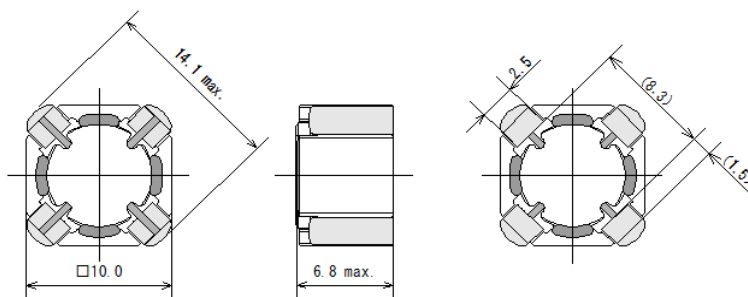


Weight : 2.3 g

■ Applications

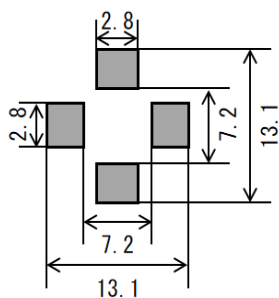
- Audio Visual/Camera
- Automotive/LED Headlights, Car Audio, Car Navigation, ECU
- Others/Power Supply, FA

■ 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 connectio
SQR1065C-1R5N	1.5 $\pm 30\%$	0.00900	0.0100	11.8	5.05	3.65
SQR1065C-2R0N	2 $\pm 30\%$	0.0110	0.0120	10.2	4.65	3.35
SQR1065C-2R7N	2.7 $\pm 30\%$	0.0140	0.0160	8.60	3.85	2.85
SQR1065C-3R6N	3.6 $\pm 30\%$	0.0180	0.0200	7.60	3.50	2.60
SQR1065C-4R7N	4.7 $\pm 30\%$	0.0230	0.0270	6.60	2.95	2.20
SQR1065C-5R6N	5.6 $\pm 30\%$	0.0260	0.0300	6.00	2.75	2.05
SQR1065C-6R8N	6.8 $\pm 30\%$	0.0310	0.0370	5.35	2.50	1.85
SQR1065C-8R2N	8.2 $\pm 30\%$	0.0400	0.0460	4.95	2.25	1.70
SQR1065C-100M	10 $\pm 20\%$	0.0440	0.0510	4.60	2.10	1.60
SQR1065C-120M	12 $\pm 20\%$	0.0480	0.0560	4.25	2.00	1.50
SQR1065C-150M	15 $\pm 20\%$	0.0620	0.0730	3.65	1.75	1.30
SQR1065C-180M	18 $\pm 20\%$	0.0750	0.0880	3.35	1.65	1.20
SQR1065C-220M	22 $\pm 20\%$	0.0840	0.100	3.10	1.50	1.10
SQR1065C-270M	27 $\pm 20\%$	0.110	0.130	2.80	1.35	1.00
SQR1065C-330M	33 $\pm 20\%$	0.130	0.150	2.50	1.25	0.930
SQR1065C-390M	39 $\pm 20\%$	0.150	0.180	2.35	1.13	0.850
SQR1065C-470M	47 $\pm 20\%$	0.200	0.230	2.00	0.980	0.750
SQR1065C-560M	56 $\pm 20\%$	0.230	0.270	1.90	0.900	0.670
SQR1065C-680M	68 $\pm 20\%$	0.280	0.320	1.75	0.820	0.620
SQR1065C-820M	82 $\pm 20\%$	0.330	0.370	1.60	0.740	0.570
SQR1065C-101M	100 $\pm 20\%$	0.420	0.490	1.45	0.650	0.490
SQR1065C-121M	120 $\pm 20\%$	0.470	0.560	1.30	0.620	0.470
SQR1065C-151M	150 $\pm 20\%$	0.600	0.710	1.15	0.550	0.410
SQR1065C-181M	180 $\pm 20\%$	0.720	0.850	1.05	0.500	0.370
SQR1065C-221M	220 $\pm 20\%$	0.910	1.08	0.950	0.440	0.330

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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