Dong An Electronics Co., Ltd. [SMD Power Inductor]

SPI070-30-SERIES-A

AEC-Q200(G-0) Pb-Free HALOGEN FREE

■ Applications

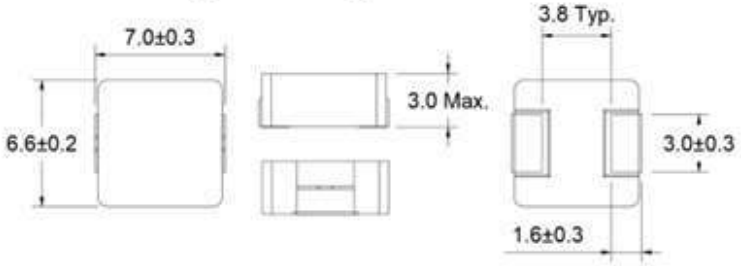
- Noise suppression for motors : windshield wipers / power seats / power mirrors / heating and ventilation blower / HID lighting
- Engine and transmission control units
- DC/DC converters for entertainment/navigation systems
- LED drivers
- Battery power systems

■ Picture

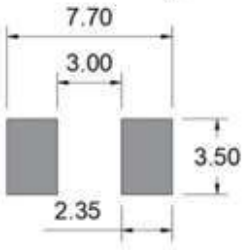
■ Environmental data

- Operating temperature range : -55°C ~ +155°C(component)
- Storage conditions (packaged) : -25°C ~ +40°C, ≤75% RH
- Complies with AEC-Q200 standard

■ Dimensions [Unit : mm]



■ Land Pattern [Unit : mm]



■ Specifications

Part No.	L0 Inductance(uH) 100kHz, 1V, 0A	DCR (mΩ)		Saturation Current DC(A) a)	Heating Rating Current DC(A) b)
		TYP.	MAX.	TYP.	TYP.
SPI070-30-R22M-A	0.22±20%	2.5	3	34	24
SPI070-30-R33M-A	0.33±20%	2.9	3.5	25	21
SPI070-30-R47M-A	0.47±20%	3.4	4.1	20	18
SPI070-30-R56M-A	0.56±20%	3.7	4.5	18	16.5
SPI070-30-R68M-A	0.68±20%	4.4	5.3	17	16
SPI070-30-R82M-A	0.82±20%	5	6	16	14
SPI070-30-1R0M-A	1.0±20%	6.1	7.4	15	12
SPI070-30-1R5M-A	1.5±20%	10.1	12.1	12	12
SPI070-30-1R8M-A	1.8±20%	11.3	13.6	11	10.7
SPI070-30-2R2M-A	2.2±20%	12.5	15	10	9.5
SPI070-30-3R3M-A	3.3±20%	18.3	22	9.5	8.5
SPI070-30-4R7M-A	4.7±20%	27.5	33	9	6
SPI070-30-5R6M-A	5.6±20%	35	42	6.5	5.5
SPI070-30-6R8M-A	6.8±20%	40	48	6	5
SPI070-30-8R2M-A	8.2±20%	50	60	5.5	5
SPI070-30-100M-A	10.0±20%	56.6	68	5.5	4.5
SPI070-30-150M-A	15.0±20%	94.1	113	4	3
SPI070-30-220M-A	22.0±20%	141.6	170	3	2.5
SPI070-30-330M-A	33.0±20%	225	270	2.5	2
SPI070-30-470M-A	47.0±20%	320.8	385	2	1.5

■ Notes

* All test data is referenced to 25 °C ambient

a) DC current (A) that will cause L0 to drop approximately 30 %

b) DC current (A) that will cause an approximate ΔT of 40 °C

■ Packing Q'ty (PCS)

* Reel : 1,000

* Box : 5,000