

AELL TYPE

SMD POWER INDUCTOR



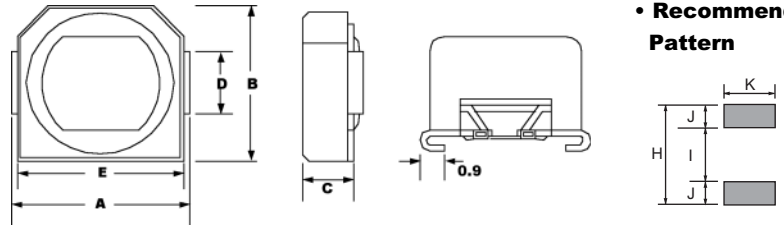
APPLICATION

- LCM for Mobile
- LCD televisions.
- Portable communication equipment
- Digital camera

FEATURE

- Available in magnetically shielded.
- Low DC resistance.
- Suitable for large currents.
- Ideal for a variety of DC - DC converter inductor applications.
- Available on tape and reel for auto surface mounting

SHAPES & DIMENSION



• Recommended Pattern

Dimension in m/m

PART NO.	A	B	C	D	E	H	I	J	K
AELL0602	6.4±0.5	6.0±0.5	2.5±0.3	3.0±0.3	6.0±0.5	7.4	4.0	1.4	3.8
AELL0603	6.4±0.5	6.0±0.5	3.0±0.3	3.0±0.3	6.0±0.5	7.4	4.0	1.4	3.8

STANDARD SPECIFICATION

Part No.	inductance (μH) at 100 KHz Tol. ±20%	DC Resistance (Ω) Max. at 20°C Tol. 30%		Rated Current (A) Max.	
		AELL 0602	AELL 0603	AELL 0602	AELL 0603
AELL-1R0M	1.0	0.019	0.019	3.00	3.40
AELL-1R5M	1.5	0.024	0.024	2.40	3.20
AELL-2R7M	2.7	0.039	0.031	1.80	2.40
AELL-3R3M	3.3	0.044	0.034	1.60	2.20
AELL-4R7M	4.7	0.049	0.042	1.58	2.00
AELL-5R1M	5.1	0.056	-	1.55	-
AELL-5R6M	5.6	-	0.049	-	1.80
AELL-6R2M	6.2	0.062	-	1.40	-
AELL-6R8M	6.8	-	0.052	-	1.50
AELL-7R5M	7.5	0.080	-	1.25	-
AELL-8R2M	8.2	0.087	0.061	1.20	1.40
AELL-100M	10.0	0.095	0.065	1.10	1.30
AELL-120M	12.0	0.130	0.071	1.00	1.20
AELL-150M	15.0	0.150	0.096	0.85	1.10
AELL-180M	18.0	0.170	0.110	0.80	1.00
AELL-220M	22.0	0.220	0.140	0.70	0.90
AELL-270M	27.0	0.260	0.160	0.65	0.80
AELL-330M	33.0	0.380	0.180	0.60	0.70
AELL-390M	39.0	0.410	0.240	0.55	0.65
AELL-470M	47.0	0.480	0.270	0.50	0.60
AELL-560M	56.0	0.540	0.290	0.45	0.55
AELL-680M	68.0	0.770	0.520	0.40	0.50
AELL-820M	82.0	0.870	0.600	0.35	0.45
AELL-101M	100.0	1.000	0.680	0.30	0.40
AELL-121M	120.0	1.500	0.750	0.28	0.37
AELL-151M	150.0	1.800	0.860	0.25	0.35
AELL-181M	180.0	2.000	1.200	0.23	0.30

1. Current : This indicates the value of current when the inductance is 80% more than nominal value

2. temperature rising $\Delta t=45^{\circ}\text{C}$ lower at D.C superposition.(at 20°C)

ELECTRICAL SPECIFICATION

Operating Temperature : $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$

Storage Temperature : $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$

