

AAPS-M Series

Features

- AEC-Q200 qualified.
- Halogen Free.
- Magnetically shielded, low EMI.
- High current carrying capacity, Low core losses.
- RoHS compliance.

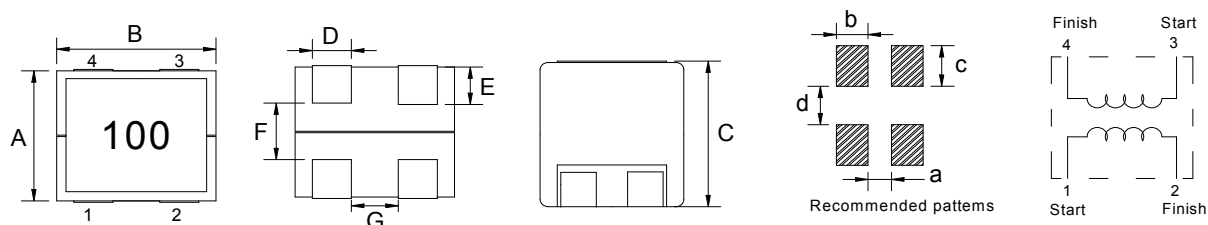
Applications

- Automotive applications

Test Equipment and Conditions

- All test data is referenced to 25°C ambient.
- Operating temperature range -55°C to +125°C.(Including self - temperature rise).
- DC current(Irms)that will cause an approximate ΔT of 40°C.
- DC current(Isat)that will cause Lo to drop approximately 30%.
- Absolute maximum voltage 75VDC.

External Dimensions (Unit:mm)



TYPE	A	B	C	D	E	F typ	G typ	a typ	b typ	c typ	d typ	Q'Ty/Reel
AAPS07M70	7.5±0.2	7.0±0.2	7.5 Max	1.65±0.2	2.0±0.2	3.4	1.6	1.25	2	3.2	3.55	600
AAPS10M10	9.2±0.2	10.2±0.2	11.1 Max	2.5±0.2	2.65±0.2	4.3	2.4	2.1	2.85	4.05	3.84	300

2. Part Number Code

AAPS	07	M	70	LC	M	100
Series Name	Dimensions: L*W	Materials	Dimensions: H	Internal control	Tolerance M:20%	Inductance

AAPS-M Series

Part Number	Inductance (μ H) @100KHz/1V	DC Resistance (m Ω)Max	Heat Rating Current I _{rms} (A))Typ.	Saturation Current I _{sat} (A))Typ.
AAPS07M70LCM1R0	1	6.5	9.8	19.3
AAPS07M70LCM3R3	3.3	19.2	5.7	13
AAPS07M70LCM6R8	6.8	43.2	4	8.8
AAPS07M70LCM100	10	49	3.5	6.8
AAPS07M70LCM150	15	90	2.7	6
AAPS07M70LCM220	22	134	2.2	4.3
AAPS10M10LCM3R3	3.3	8.6	9	26
AAPS10M10LCM100	10	22	5.8	12
AAPS10M10LCM150	15	40.8	4.5	9
AAPS10M10LCM220	22	56	3.6	8.5