

AABM Series

Features

- Qualified to AEC-Q200.
- High performance (Isat) realized by metal dust core.
- Low loss realized with low DCR
- 100% lead (Pb) free meet RoHS standard

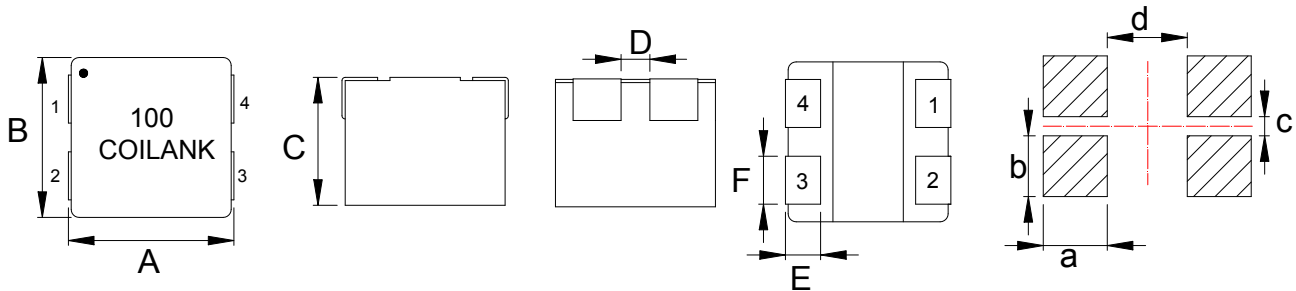
Applications

- Automotive applications.
- SEPIC circuit.

Test Equipment and Conditions

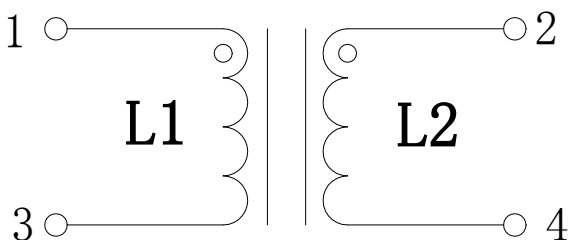
- All test data is referenced to 25°C ambient.
- Operating temperature range -55°C to +155°C.(Including self - temperature rise)
- DC current(Irms)that will cause an approximate ΔT of 40°C.
- DC current(Isat)that will cause Lo to drop approximately 40%.

External Dimensions (Unit:m/m)



Type	A	B	C	D	E	F	a	b	c	d	Q'TY/Reel
AABM1080	10.8±0.35	10.0±0.3	8.0Max	1.6Ref	2.4Ref	3.1Ref	4.0Ref	3.8Ref	1.2Ref	5.0Ref	400

Schematics



Part Number Code

AABM 1080 M 100 A
 A B C D E

A: Series Name Molding Power Inductors
 B: Dimensions(mm) 10: 10.8x10.0x8.0
 C: Tolerance M: $\pm 20\%$
 D: Inductance 100=10uH
 E: Internal control

AABM Series

Part Number	Inductance (uH) $\pm 20\%$ @100KHz/1V	DC Resistance (m Ω) Max.	Heat Rating Current Irms (A)Typ.	Saturation Current Isat (A)Typ.
AABM1080M100A	10	40	4.8	10.6
AABM1080M150A	15	64.8	4.6	9.1
AABM1080M220A	22	84	3.1	7.1