

AAPS0855 Series

Features

- Qualified to AEC-Q200.
- Alloy powder Inductor.
- 100% lead (Pb)-free.
- Lowest DCR/uH, in this package size.
- Handles high transient current spikes without saturation.
- Ultra low buzz noise, due to composite construction.
- RoHS compliance.
- Halogen Free.

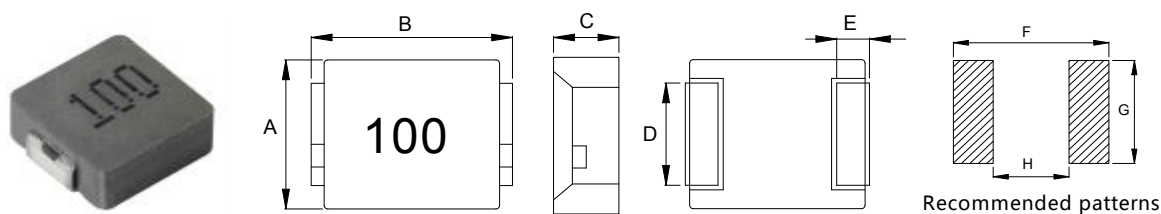
Applications

- Automotive applications.

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%.
- 0855 size Absolute maximum voltage 60VDC;

External Dimensions (Unit:mm)



TYPE	A	B Max	C Max	D typ	E typ	F typ	G typ	H typ	Q'TY/Reel
AAPS0855	8.3±0.3	9.1	5.5	3.0	1.6	9.4	3.7	4.7	500

Part Number Code

AAPS	0855	M	100	A
Series Name	Dimensions: L*W*H	Tolerance 20%	Inductance	Materials

AAPS0855 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.
AAPS0855M3R3A	3.3	13	12.7	14.5
AAPS0855M4R7A	4.7	15.6	9.2	15
AAPS0855M100A	10	36	5.8	13
AAPS0855M150A	15	52.8	5.2	7.8
AAPS0855M680A	68	250	2	3.5