

Power Inductor AMHS Series

Automotive
AEC-Q200

RoHS Compliant
Halogen Free
REACH Compliant



Shield

Wire
Wound

Metal

Ultra
High
Current

Part Numbering

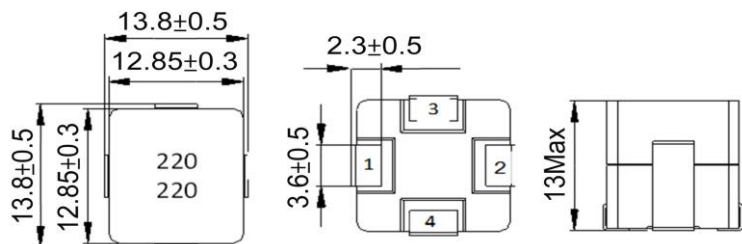
A	MHS	00	131313	100	L	A3
Grade	Series Name	Control Code	Dimensions Code (mm)	Inductance (uH)	Tolerance	Internal Code
			131313 13.8x13.8x13	8R2 8.2	L ±15%	A3
				100 10		A6
				220 22		B1
						C3
						E1

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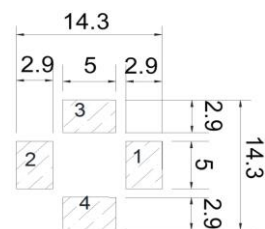
AMHS00131313 Type

■ Dimensions



unit:mm

■ Recommended Land Pattern



unit:mm

■ Electrical Characteristics

Part No.	Inductance (uH)	Test Freq.	RDC (mΩ)±10%	Isat (A)Typ.	Irms (A)Typ.	Tolerance (±%)	Marking
AMHS001313136R8LA3	6.8	100kHz,1V	13.5	30	11.5	15	6R8
AMHS001313138R2LA6	8.2	100kHz,1V	16	25	10	15	8R2
AMHS00131313100LB1	10	100kHz,1V	20.5	21	9	15	100
AMHS00131313150LC3	15	100kHz,1V	33.2	16	7	15	150
AMHS00131313220LE1	22	100kHz,1V	50	15	5.5	15	220

Note: When ordering, please specify tolerance code. Tolerance: L=±15%

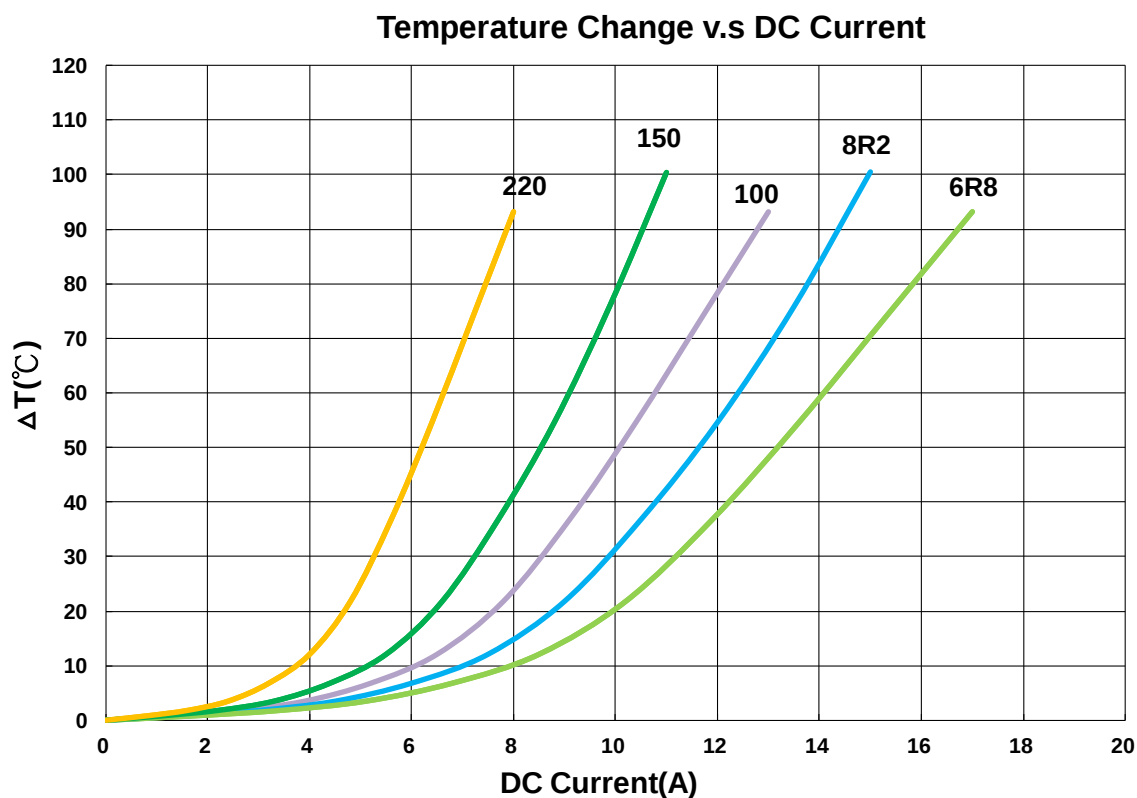
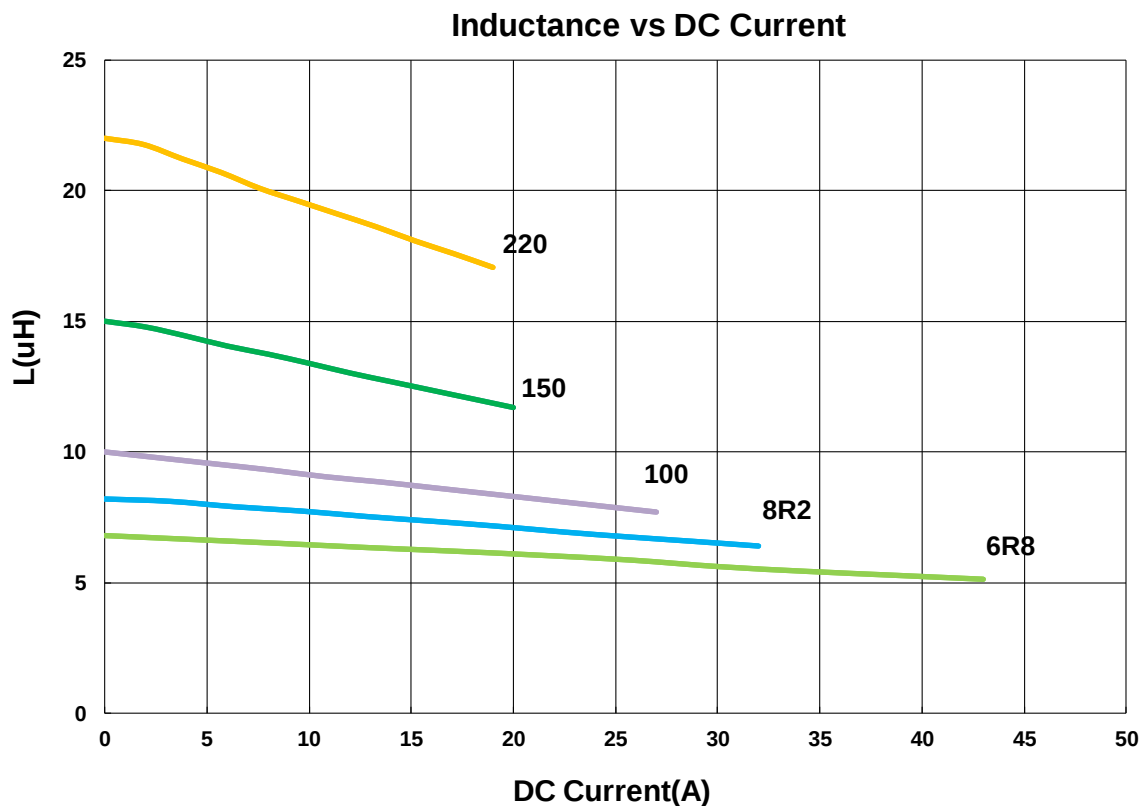
1. Operating temperature range - 40°C ~ 125°C(Including self - temperature rise)
2. Isat for Inductance drop 20% from its value without current
3. Irms for a 40°C temperature rise from 25°C ambient with current

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AMHS00131313 Type

Characteristics Graph

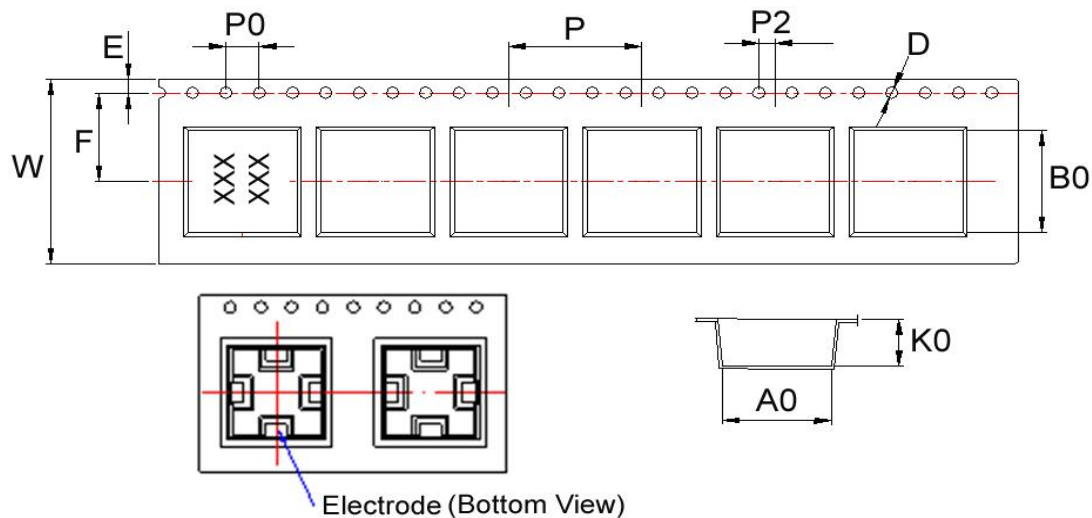


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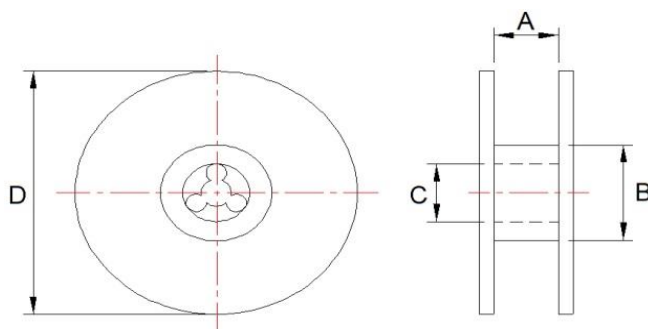
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■ Packaging

Tape Dimensions



Reel Dimensions



Dimensions in mm

TYPE	Tape Dimensions										Reel Dimensions				Quantity PCS / REEL
	A0	B0	K0	D	E	F	W	P	P0	P2	A	B	C	D	
AMHS00131313	14.5	14.5	13.2	1.5	1.5	11.5	24	20	4	2	24	100	13.5	330	250

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

[AMHS00131313100LB1](#) [AMHS00131313150LC3](#) [AMHS00131313220LE1](#) [AMHS001313136R8LA3](#)
[AMHS001313138R2LA6](#)