

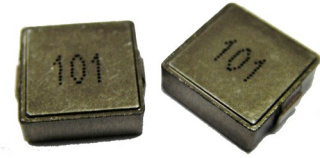
# Power Inductors

## Model HA72L-1250 series

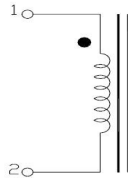


### Features:

- Operating Temperature Range  $-55^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$
- Ambient Temperature, Maximum  $+115^{\circ}\text{C}$
- Temperature Rise,  $40^{\circ}\text{C}$
- RoHS Compliant
- AEC-Q200 Certified



### Schematic



### Specifications @ 25°C

Part Number	Inductance ( $\mu\text{H} \pm 20\%$ @0A)	DCR (m $\Omega$ ) Typ	DCR (m $\Omega$ ) Max	I <sub>rms</sub> (A)	Isat (A)	Part Number	Inductance ( $\mu\text{H} \pm 20\%$ @0A)	DCR (m $\Omega$ ) Typ.	DCR (m $\Omega$ ) Max	I <sub>rms</sub> (A)	Isat (A)
HA72L-1250R10LFTR	0.10	0.53	0.60	55.0	80	HA72L-12502R7LFTR	2.70	5.70	6.80	18.0	32.0
HA72L-1250R22LFTR	0.22	0.64	0.80	51.0	80	HA72L-12503R3LFTR	3.30	7.70	9.20	15.0	32.0
HA72L-1250R33LFTR	0.33	0.85	1.20	42.0	80	HA72L-12504R7LFTR	4.70	12.80	15.00	12.0	27.0
HA72L-1250R47LFTR	0.47	1.10	1.30	38.0	65.0	HA72L-12505R6LFTR	5.60	14.00	16.50	11.5	22.0
HA72L-1250R56LFTR	0.56	1.30	1.60	36.0	55.0	HA72L-12506R8LFTR	6.80	15.40	18.50	11.0	21.0
HA72L-1250R68LFTR	0.68	1.50	1.70	34.0	54.0	HA72L-12507R8LFTR	7.80	17.20	20.50	10.0	18.0
HA72L-1250R82LFTR	0.82	2.00	2.30	31.0	53.0	HA72L-12508R2LFTR	8.20	18.90	22.50	9.5	18.0
HA72L-12501R0LFTR	1.00	2.10	2.50	29.0	50.0	HA72L-1250100LFTR	10.0	21.40	25.50	9.0	16.0
HA72L-12501R2LFTR	1.20	2.80	3.50	25.0	49.0	HA72L-1250150LFTR	15.0	44.00	48.00	6.0	9.0
HA72L-12501R5LFTR	1.50	3.40	4.10	23.0	38.0	HA72L-1250220LFTR	22.0	50.00	58.00	5.5	8.0
HA72L-12501R8LFTR	1.80	4.20	4.90	19.0	35.0	HA72L-1250330LFTR	33.0	75.00	84.00	3.5	6.0
HA72L-12502R2LFTR	2.20	4.60	5.50	20.0	32.0	HA72L-1250470LFTR	47.0	138.00	152.00	2.0	4.0

- Notes: (1) Isat is the saturation current at which inductance rolls off approximately 30% from its initial (zero DC)  
 (2) I<sub>rms</sub> is the approximate current at which  $\Delta T = 40^{\circ}\text{C}$   
 (3) Operating Temperature Range  $-55^{\circ}\text{C}$  to  $+155^{\circ}\text{C}$   
 (4) Test condition for all case sizes is 100kHz @ 1V

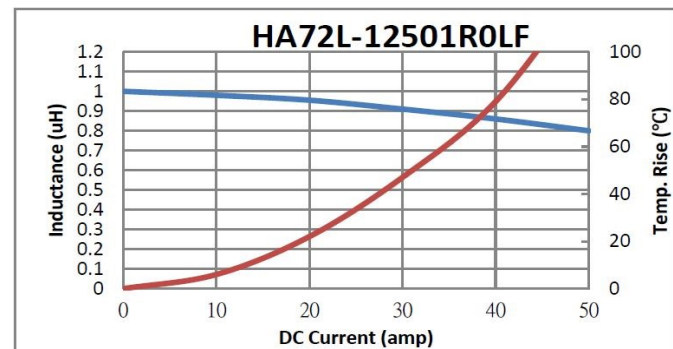
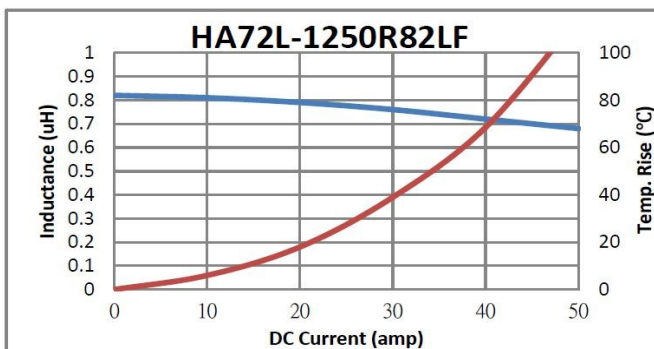
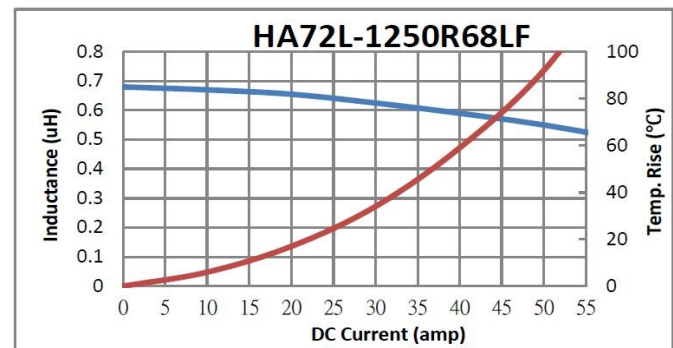
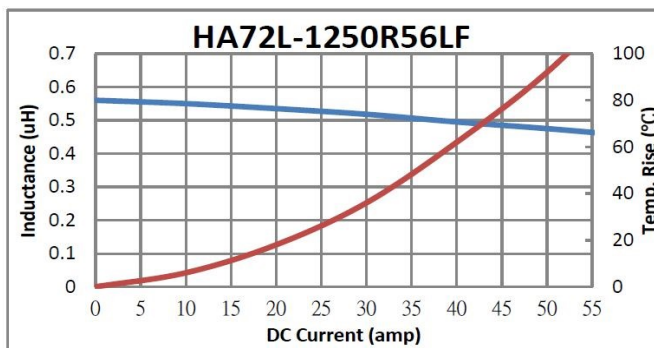
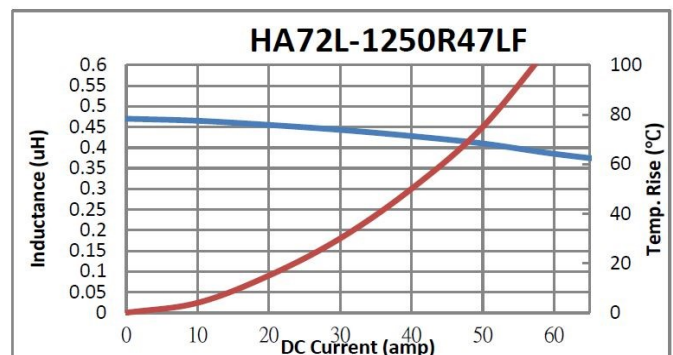
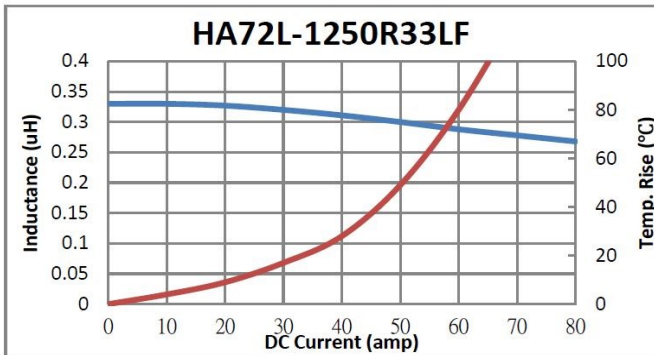
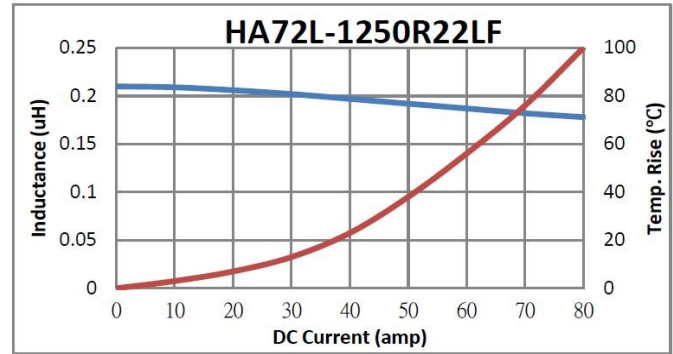
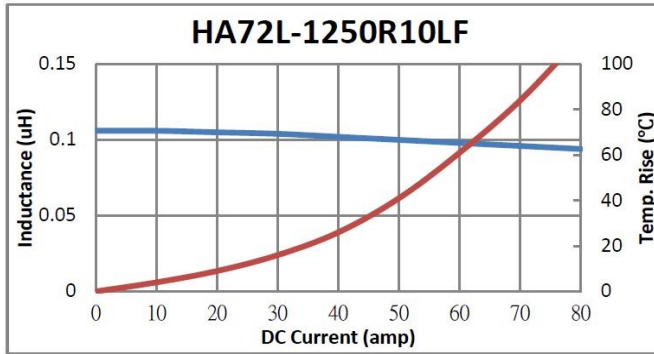
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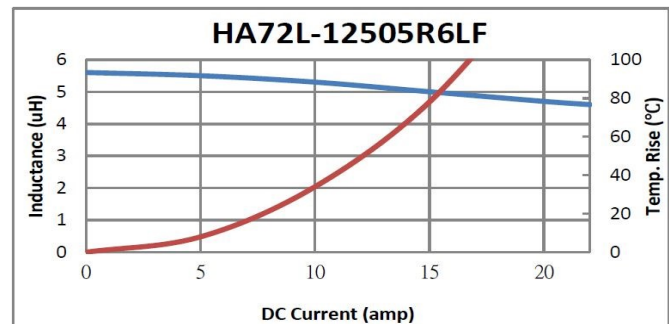
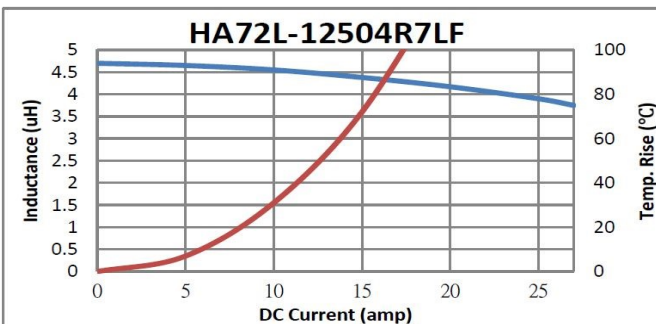
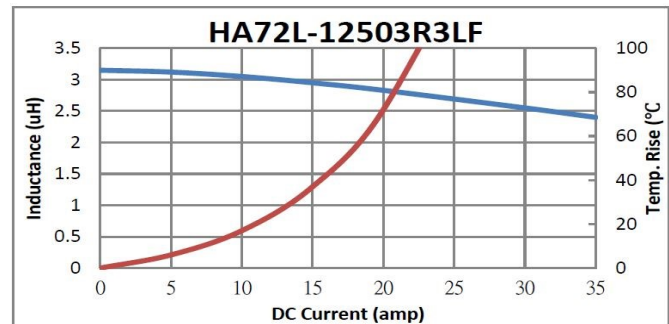
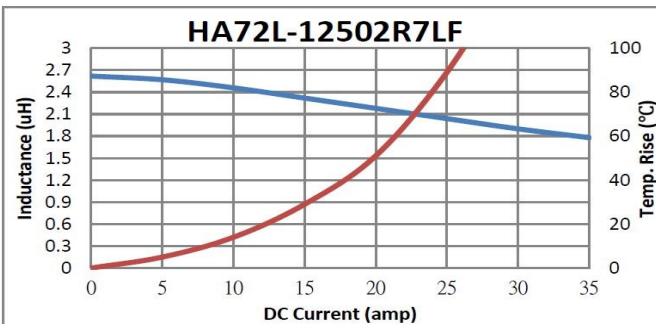
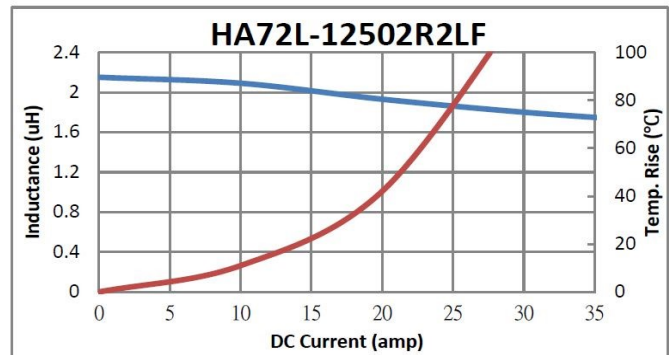
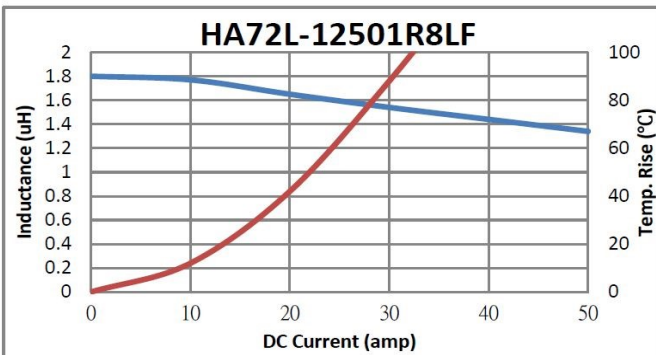
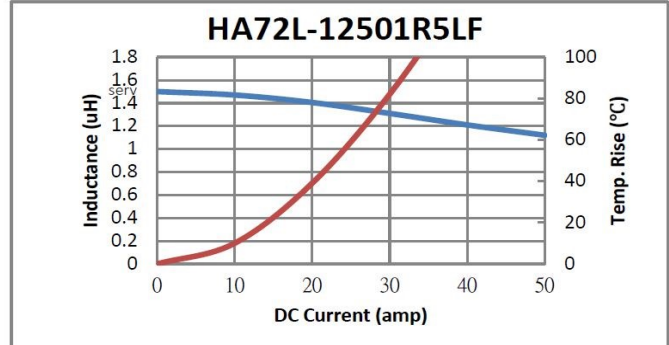
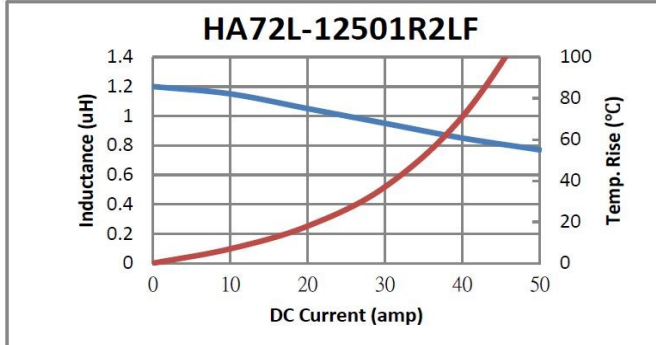
### Electrical Specifications @ 25°C



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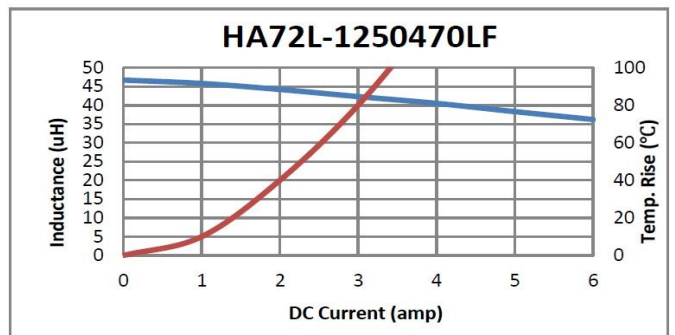
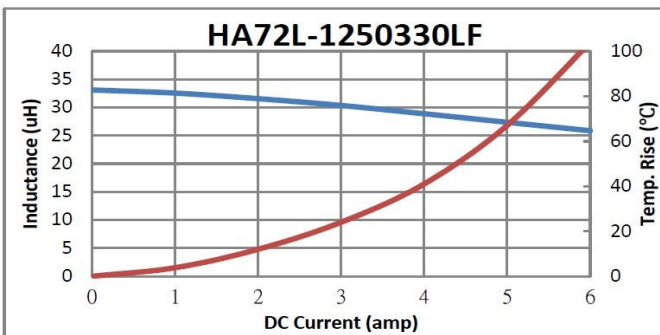
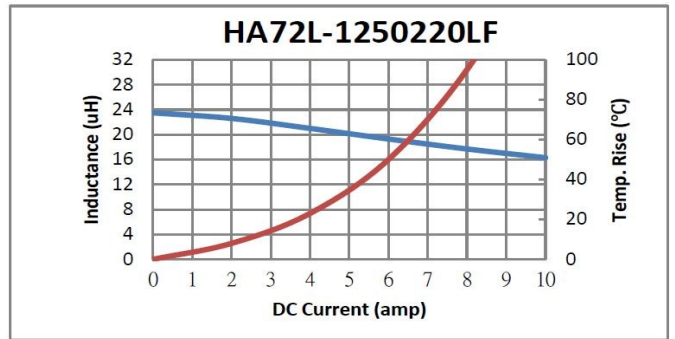
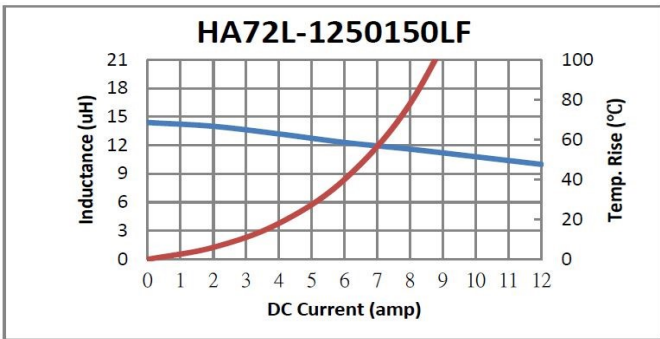
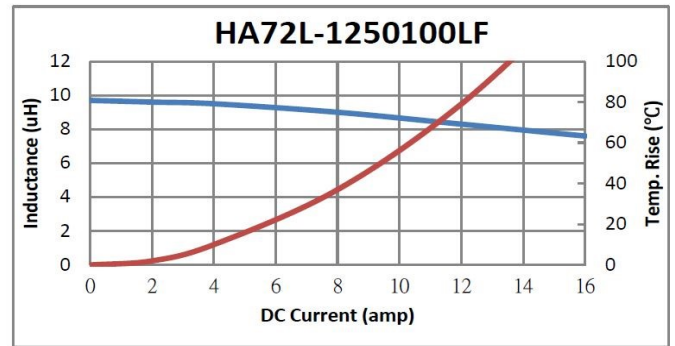
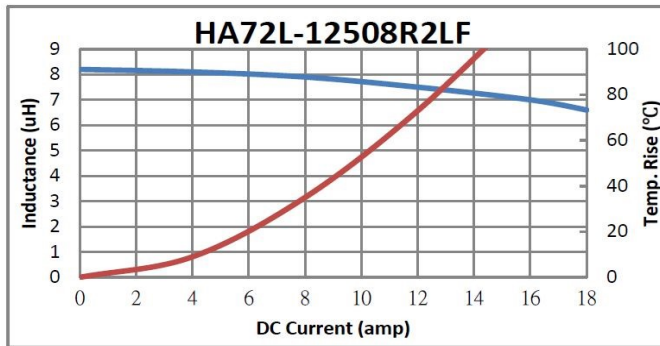
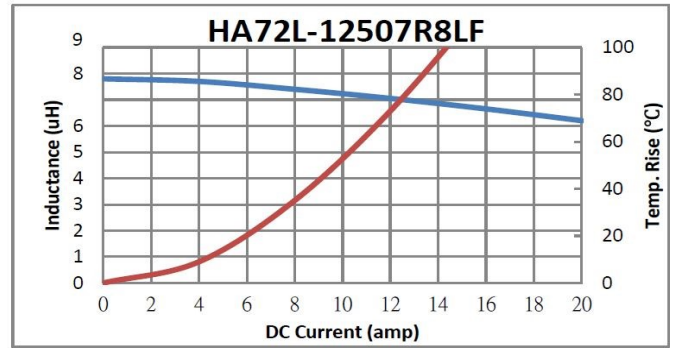
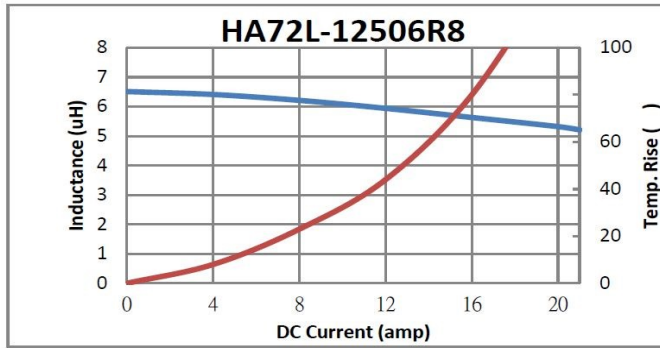
### Electrical Characteristics



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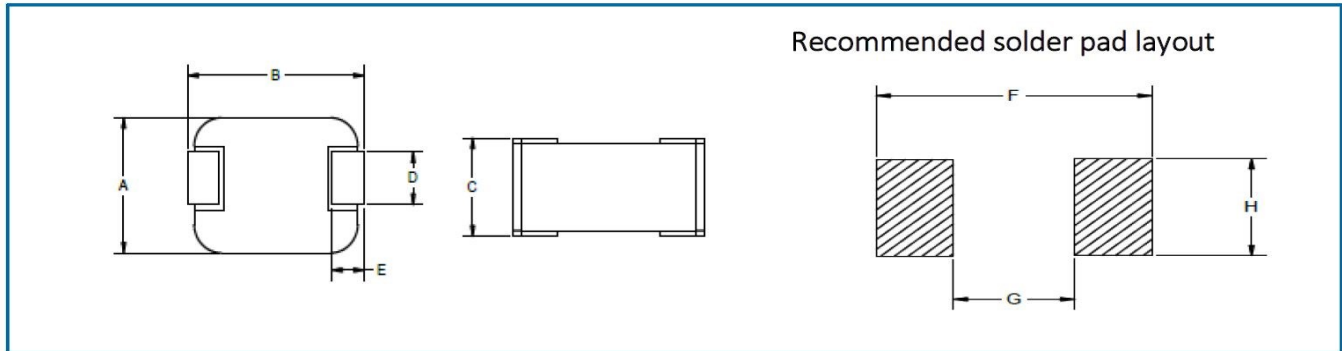
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### Outline Dimensions (mm)



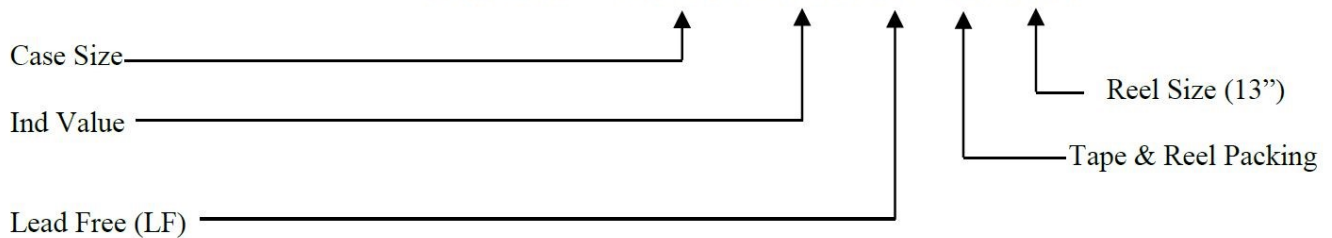
CASE SIZE	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)
1250 series	12.8 ± 0.3	13.5 ± 0.5	5	3.5 ± 0.5	2.5 ± 0.5	15	6	5

### Packaging

Standard:	Embossed Tape and Reel		
	Reel:	Diameter	All case size = 13" (330mm)
		Capacity	Case size 1250 = 500 units

### Ordering Information

HA72L – XXXX XXX LF TR XX



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