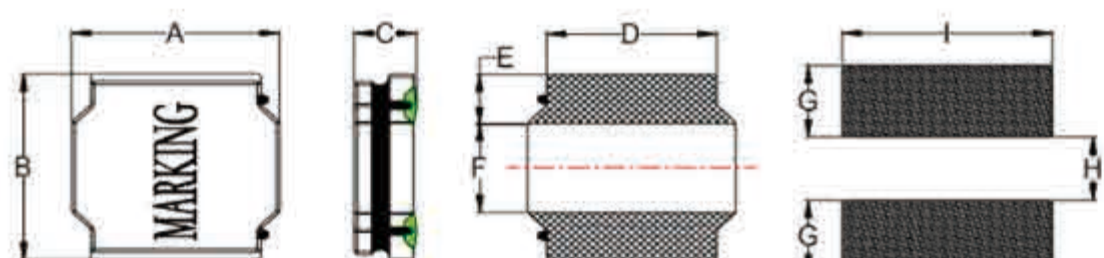


## SMD POWER INDUCTORS: HL4020-R Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
HL4020-R	4.0 ± 0.2	4.0 ± 0.2	2.1 (MAX)	3.3 ± 0.2	1.0 ± 0.2	2.0 ± 0.2	3.7Ref	1.9 Ref	1.1 Ref

Part Number	Inductance	Tolerance	DCR (mΩ)	Isat (A)	Irms (A)	Test
	(μH)	(±%)	±30%			Condition
HL4020-R33N-R	0.33	30	13	7.5	3.3	100KHz / 0.25V
HL4020-R47N-R	0.47	30	18	7.5	3.3	100KHz / 0.25V
HL4020-R68N-R	0.68	30	24	7	3.2	100KHz / 0.25V
HL4020-1R0N-R	1	30	30	4.78	2.15	100KHz / 0.25V
HL4020-1R2N-R	1.2	30	29	4.7	2.1	100KHz / 0.25V
HL4020-1R5N-R	1.5	30	35	4.45	1.98	100KHz / 0.25V
HL4020-1R8N-R	1.8	30	45	4	1.9	100KHz / 0.25V
HL4020-2R2M-R	2.2	20	45	3.4	1.85	100KHz / 0.25V
HL4020-3R3M-R	3.3	20	70	3.2	1.4	100KHz / 0.25V
HL4020-4R7M-R	4.7	20	80	2.35	1.34	100KHz / 0.25V
HL4020-5R6M-R	5.6	20	95	2.2	1.22	100KHz / 0.25V
HL4020-6R8M-R	6.8	20	125	2	1.04	100KHz / 0.25V
HL4020-8R2M-R	8.2	20	150	1.75	1	100KHz / 0.25V
HL4020-100M-R	10	20	165	1.6	0.9	100KHz / 0.25V
HL4020-120M-R	12	20	175	1.5	0.88	100KHz / 0.25V
HL4020-150M-R	15	20	230	1.35	0.77	100KHz / 0.25V
HL4020-220M-R	22	20	350	1.05	0.62	100KHz / 0.25V
HL4020-270M-R	27	20	476	1.05	0.56	100KHz / 0.25V
HL4020-330M-R	33	20	500	0.85	0.49	100KHz / 0.25V
HL4020-470M-R	47	20	710	0.74	0.44	100KHz / 0.25V
HL4020-560M-R	56	20	800	0.68	0.4	100KHz / 0.25V
HL4020-680M-R	68	20	1250	0.6	0.35	100KHz / 0.25V

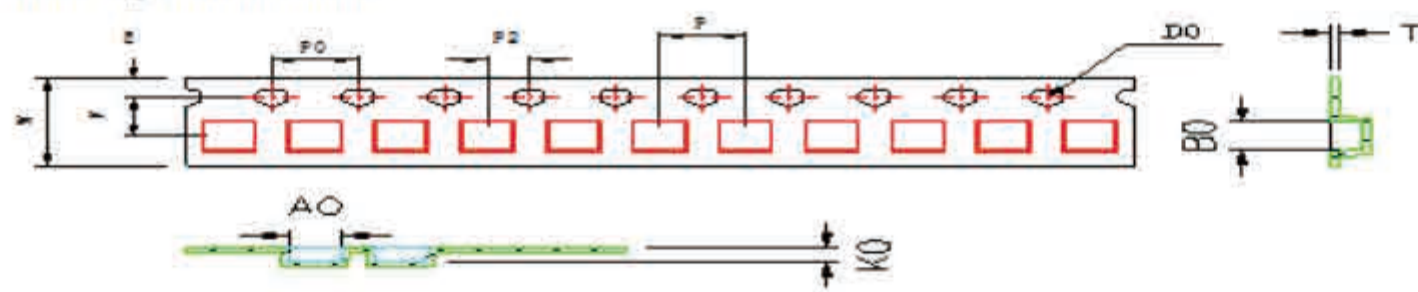
**NOTES:**

- All test data is referenced to 25°C ambient
- Operating Temperature Range -40°C to +125°C
- Irms : DC current (A) that will cause an approximate ΔT of 40°C
- Isat : DC current (A) that will cause Lo to drop approximately 30%

## SMD POWER INDUCTORS: HL4020-R Series

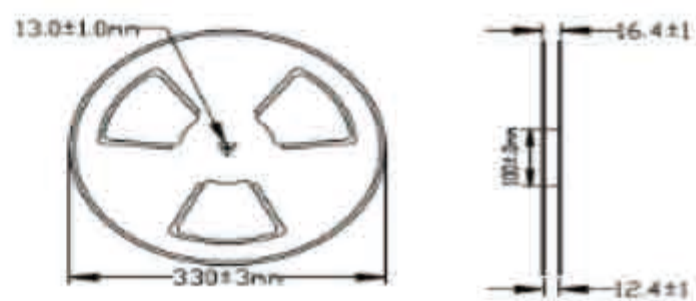
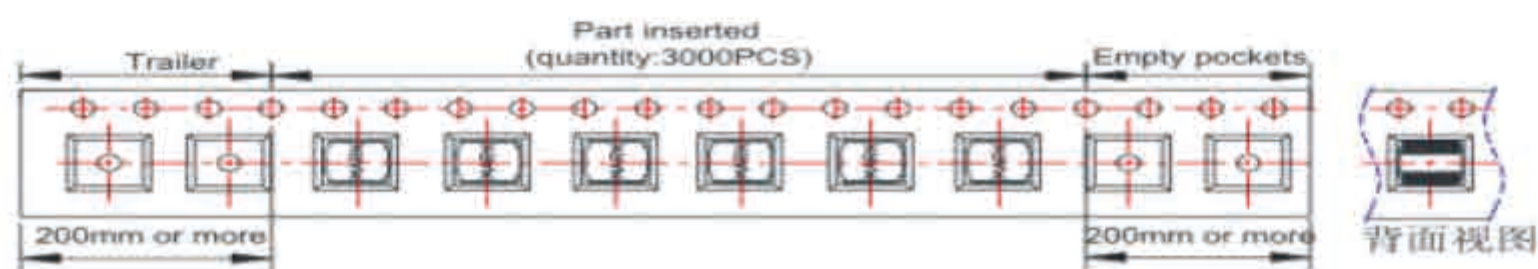
### Packaging Information (包装信息)

**1. Carrier Tape Dimensions:**



ITEM	W	A0	B0	K0	P	F	E	D0	P0	P2	T
DIM	12.00	4.35	4.35	2.25	8.00	5.5	1.75	1.50	4.00	2.00	0.25
TOLE	±0.3	±0.1	±0.1	±0.1	±0.1	±0.1	±0.1	+0.1	±0.1	±0.1	±0.05

**2. Reel Dimensions:**



**3. PACKAGE SPECIFICATION:**

3KPCS/ Reel      27KPCS/ Outer Box