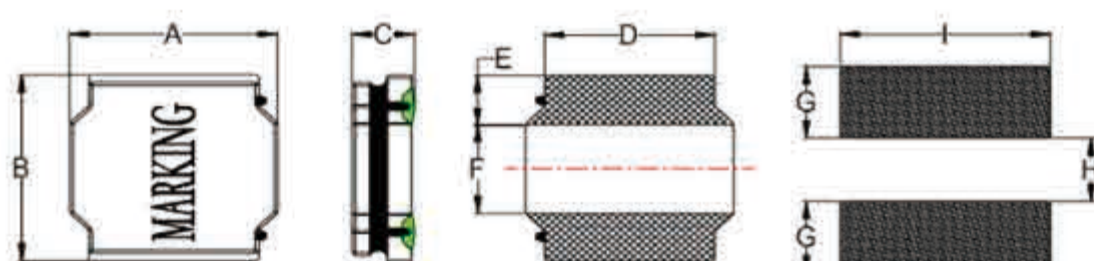


## SMD POWER INDUCTORS: HL5020-R Series



Series	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
HL5020-R	5.0 ± 0.3	5.0 ± 0.3	2.2 (MAX)	4.0 ± 0.3	1.35 ± 0.2	2.3 ± 0.2	4.2	2.3	1.4

Part Number	Inductance	Tolerance	DCR (mΩ)	Isat (A)	Irms (A)	Test
	(μH)	(±%)	±30%			Condition
HL5020-R24N-R	0.24	30	11	6	5	100KHz / 0.25V
HL5020-R47N-R	0.47	30	15	4.85	3.95	100KHz / 0.25V
HL5020-1R5N-R	1.5	30	26	4.1	3.2	100KHz / 0.25V
HL5020-2R2N-R	2.2	30	38	3.85	2.9	100KHz / 0.25V
HL5020-3R3N-R	3.3	30	46	3.25	2.4	100KHz / 0.25V
HL5020-3R9N-R	3.9	30	50	2.9	2.15	100KHz / 0.25V
HL5020-4R7M-R	4.7	20	65	2.4	2.05	100KHz / 0.25V
HL5020-5R6M-R	5.6	20	72	2.3	1.85	100KHz / 0.25V
HL5020-6R8M-R	6.8	20	92	2.1	1.7	100KHz / 0.25V
HL5020-100M-R	10	20	125	1.8	1.5	100KHz / 0.25V
HL5020-150M-R	15	20	180	1.44	1.25	100KHz / 0.25V
HL5020-220M-R	22	20	250	1.18	1.05	100KHz / 0.25V
HL5020-330M-R	33	20	370	0.97	0.83	100KHz / 0.25V
HL5020-470M-R	47	20	560	0.81	0.7	100KHz / 0.25V
HL5020-680M-R	68	20	850	0.7	0.53	100KHz / 0.25V
HL5020-151M-R	150	20	1423	0.4	0.35	100KHz / 0.25V

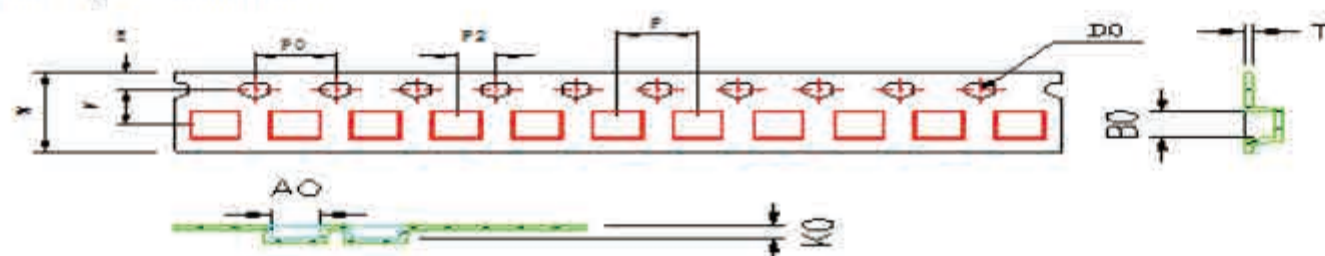
**NOTES:**

- 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: HL5020-R Series

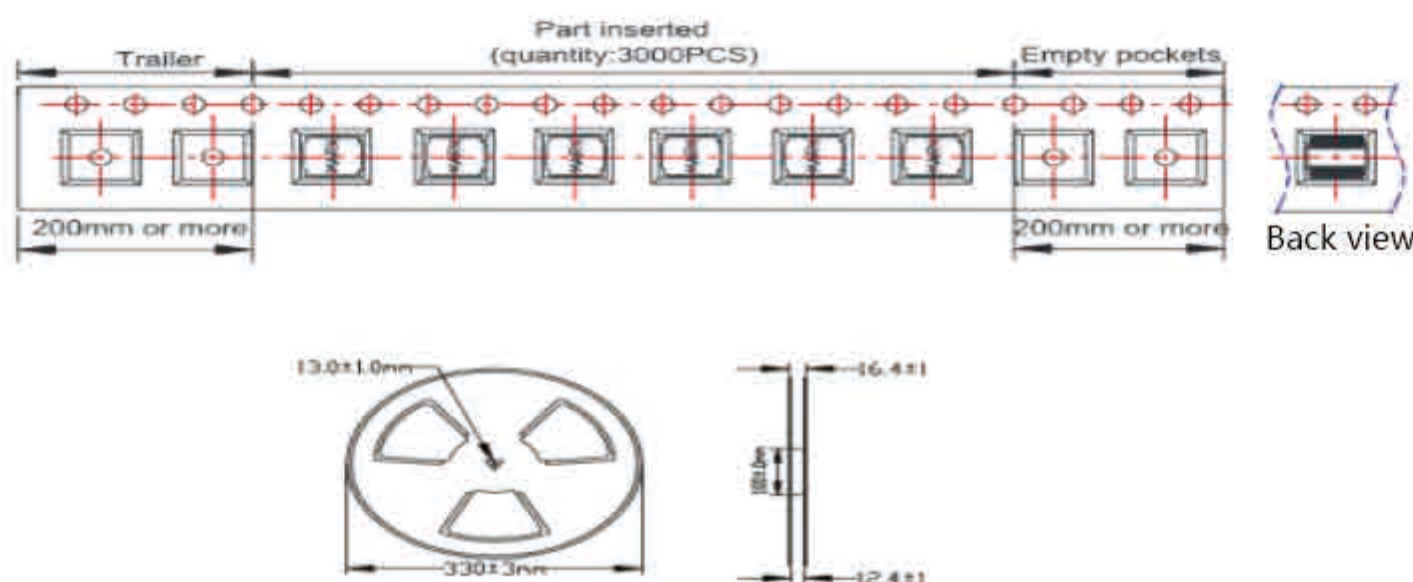
### Packaging Information (包装信息)

**1. Carrier Tape Dimensions:**



ITEM	W	A0	B0	K0	P	F	E	D0	P0	P2	T
DIM	12.00	5.3	5.3	2.3	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      48KPCS/ Outer Box