■ Features

- Ultra low profile.
- Magnetic shielded for low radiation.
- Bobbin ferrite core and compact size.
- Low core loss for high frequency power application.
- Large terminal surface for good PCB bonding.
- Operating temperature:-40℃ ~ +125℃.

■ Applications

- Portable communication equipment.
- Notebook PC,digital camera,LCD television set.
- Power supply for VTR,OA equipment.
- DC/DC converters.

■ Product Identification

YPRH	□□□□	−	□□□	□
(1)	(2)		(3)	(4)

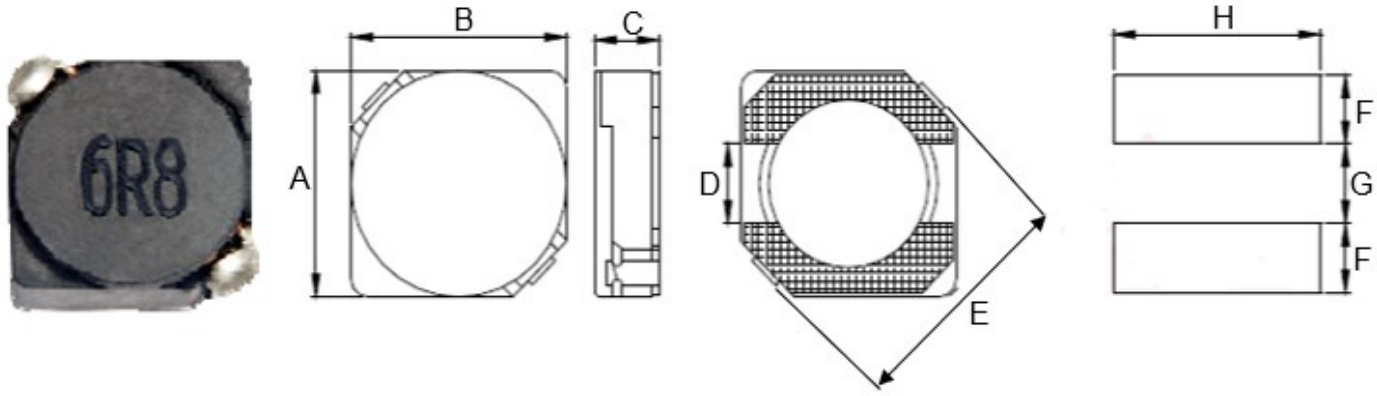
(1)： Type

(2)： Dimensions

(3)： Inductance value

(4)： Inductance Tolerance； N=±30%,M=±20%，K=±10%

■ Shapes and Dimensions (Unit：mm)



TYPE	A	B	C max.	D	E	F Ref.	G Ref.	H Ref.
YPRH6D28	6.7±0.3	6.7±0.3	3.0	2.00	9.5	2.65	2.0	7.3

■ YPRH6D28 Series

Part Number	Inductance (uH)	Test Freq.(KHz)	DCR MAX.(Ω)	Rated Current (A)
YPRH6D28-1R0□	1.0	100	0.0132	5.50
YPRH6D28-2R0□	2.0	100	0.0210	4.00
YPRH6D28-2R2□	2.2	100	0.024	3.60
YPRH6D28-3R0□	3.0	100	0.024	3.00
YPRH6D28-3R3□	3.3	100	0.025	2.80
YPRH6D28-3R9□	3.9	100	0.027	2.60
YPRH6D28-4R7□	4.7	100	0.030	2.50
YPRH6D28-5R0□	5.0	100	0.031	2.40
YPRH6D28-5R6□	5.6	100	0.035	2.30
YPRH6D28-6R0□	6.0	100	0.040	2.25
YPRH6D28-6R8□	6.8	100	0.042	2.20
YPRH6D28-7R2□	7.2	100	0.054	2.10
YPRH6D28-8R6□	8.6	100	0.058	1.85
YPRH6D28-100□	10.0	100	0.065	1.70

■ YPRH6D28 Series

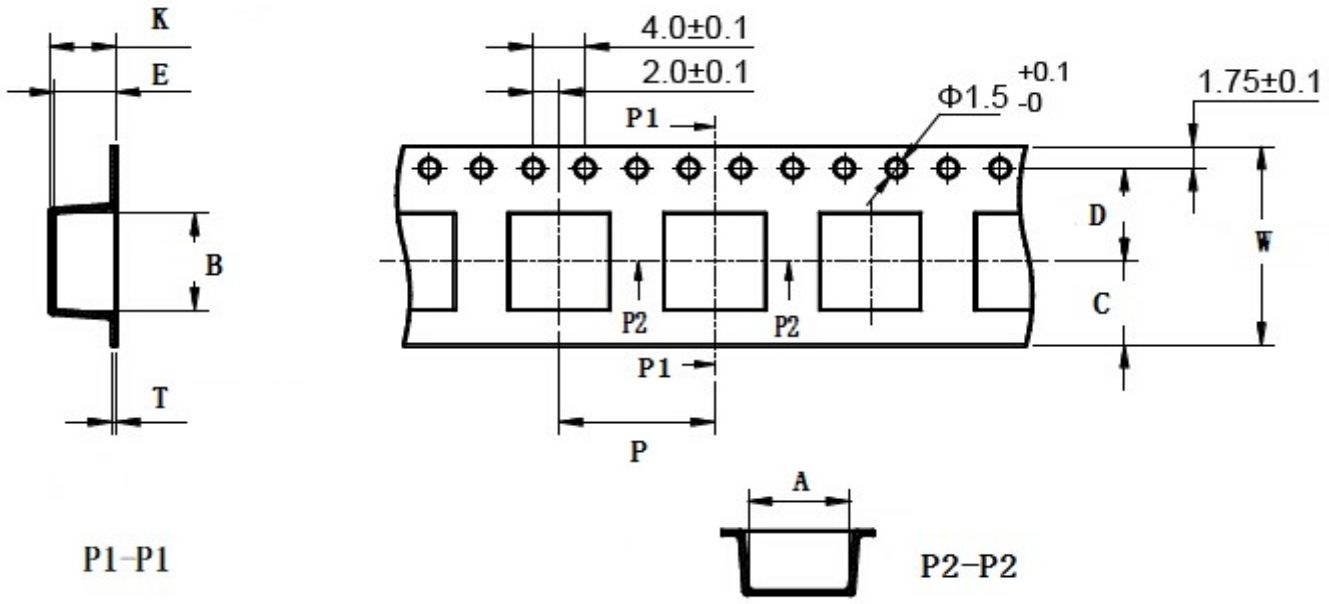
Part Number	Inductance (uH)	Test Freq.(KHz)	DCR MAX.(Ω)	Rated Current (A)
YPRH6D28-120□	12.0	100	0.070	1.55
YPRH6D28-150□	15.0	100	0.084	1.40
YPRH6D28-180□	18.0	100	0.095	1.32
YPRH6D28-220□	22.0	100	0.128	1.20
YPRH6D28-270□	27.0	100	0.142	1.05
YPRH6D28-330□	33.0	100	0.165	0.97
YPRH6D28-390□	39.0	100	0.210	0.86
YPRH6D28-470□	47.0	100	0.238	0.80
YPRH6D28-560□	56.0	100	0.277	0.73
YPRH6D28-680□	68.0	100	0.304	0.65
YPRH6D28-820□	82.0	100	0.390	0.60
YPRH6D28-101□	100	100	0.535	0.54
YPRH6D28-121□	120	100	0.750	0.51
YPRH6D28-151□	150	100	0.950	0.47
YPRH6D28-181□	180	100	1.200	0.41
YPRH6D28-221□	220	100	1.500	0.37
YPRH6D28-271□	270	100	1.700	0.33
YPRH6D28-331□	330	100	2.150	0.28
YPRH6D28-391□	390	100	2.250	0.27
YPRH6D28-471□	470	100	3.150	0.21

※ The saturation current value is the DC current value having inductance decrease down to 30%.(at 20℃)

※ The temperature rise current value is the DC current value having temperature increase up to 40℃. (at 20℃)

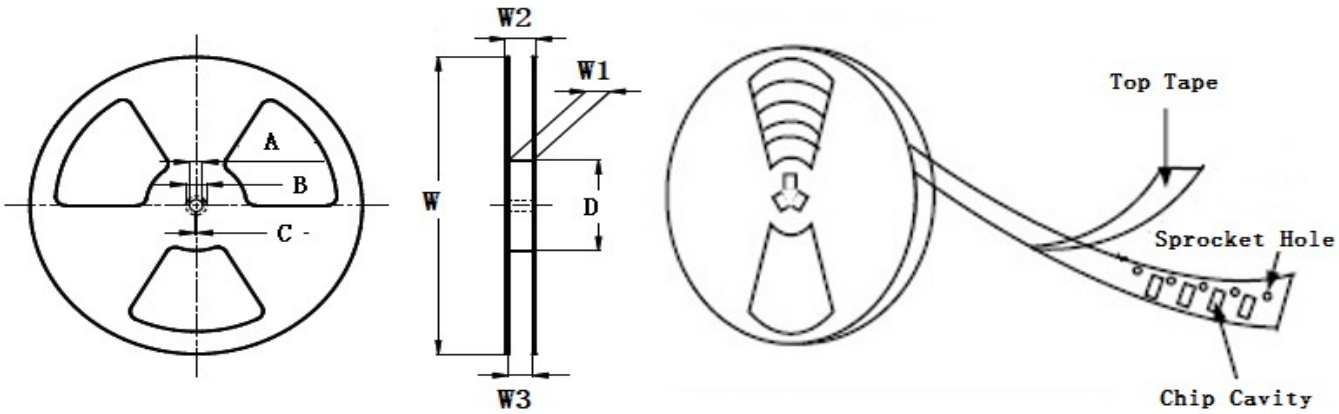
※ The rated current is the DC current value that satisfies both of current value saturation current value and temperature rise current value.

■ Taping Dimensions(Unit:mm)



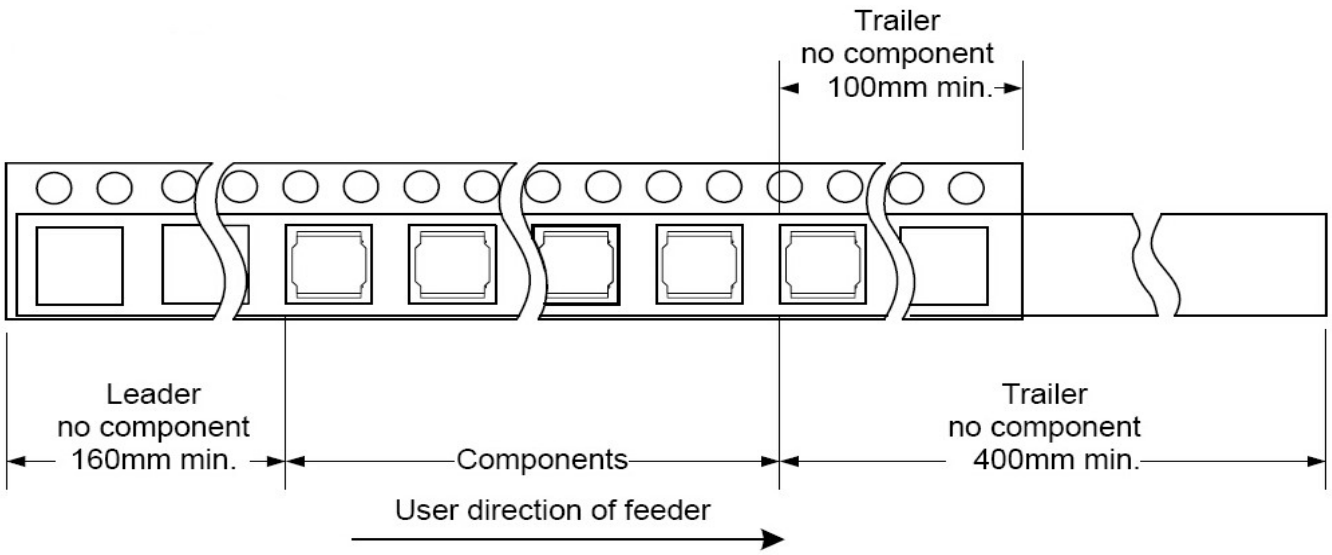
TYPE	W	A	B	C	D	E	P	K Ref	T	MPQ
YPRH6D28	16±0.3	8.85±0.1	7.10±0.1	6.75	7.5±0.1	2.95±0.1	12±0.1	3.15	0.30±0.05	1000

■ Reel Dimensions(Unit:mm)

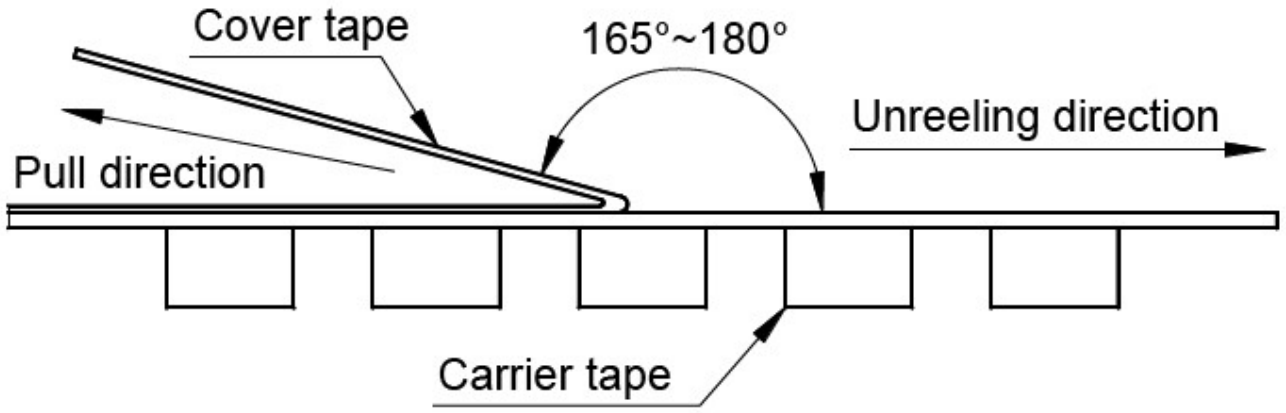


TYPE	W	W1	W2	W3	A	B	C	D
YPRH6D28	330±2.0	16.4±2.0	22.4 Max	15.9 Min	13.0±0.50	21.0±0.80	2.0±0.50	100 Min

■ Direction of rolling



■ Cover tape peel off condition



Cover tape peel force shall be 0.1N to 1.3N.

Reference peel speed 300±10mm/min.