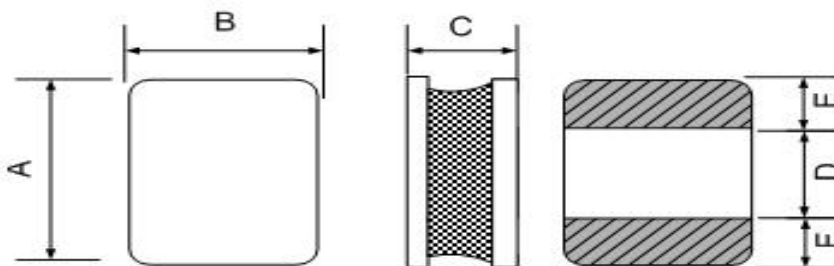


1 Product Identification

GDNRA 252012 - 1R0 M T F - 54R
① ② ③ ④ ⑤ ⑥ ⑦

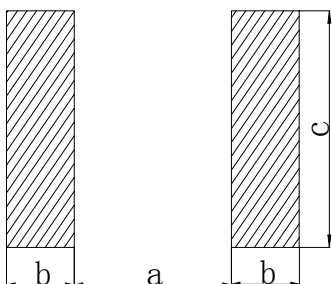
- ① Product Alloy Series
- ② Dimensions (See two)
- ③ Inductance Value (1R0:1.0μH)
- ④ Inductance Tolerance (J:±5%;K:±10%; M:±20%; N:±30%)
- ⑤ Packaging Style (B: Bulk; T: Tape & Reel)
- ⑥ Lead Free
- ⑦ DCR

2 Appearance, Dimensions(mm)



A	B	C	D	E
2.5±0.3	2.0±0.3	1.2max	0.9±0.2	0.8±0.2

LAND PATTERN DIMENSIONS



/	mm
a	0.80
b	0.85
c	2.00



3 Specifications

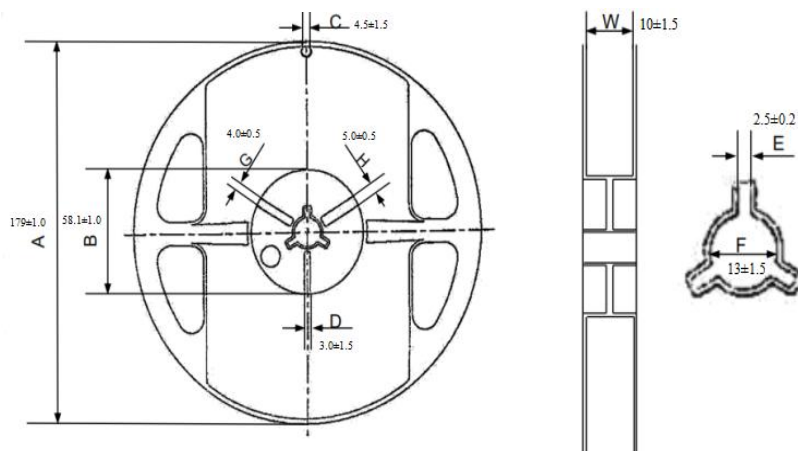
Part No.	Inductance L0(uH) $\pm 20\%$ @100KHz/1V	RDC (m Ω)		Saturation Current (A)		Heat Rating Current(A)	
		Max	Typ	Max	Typ	Max	Typ
GDNRA252012-1R0MTF-54R	1.0	54	48	3.70	4.20	3.60	4.15
GDNRA252012-2R2MTF-100R	2.2	100	88	2.50	2.75	2.60	3.0

※ Note

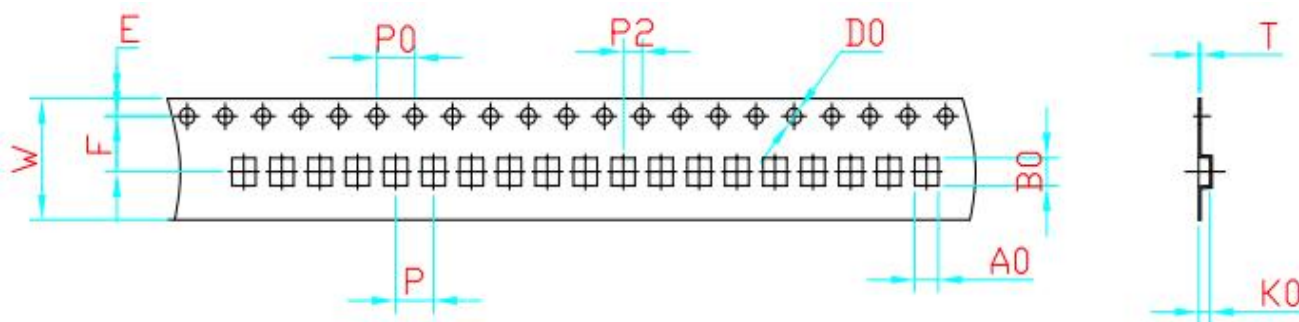
*Rated current is the DC current that reduces the initial inductance by 30% or when the temperature rises $\Delta T = 40^{\circ}\text{C}$

4 Packaging

(1) Dimensions of Reel (mm)



(2) Dimensions of Tape (mm):



W	A0	B0	K0	P	F	E	D	P0	P2	T	Packaging quantity
8.0 ± 0.3	2.4 ± 0.1	2.85 ± 0.1	1.4 ± 0.1	4.0 ± 0.1	3.5 ± 0.1	1.75 ± 0.1	1.55+ 0.1/-0.0	4.0 ± 0.1	2.0 ± 0.1	0.2 ± 0.05	2000PCS/REEL