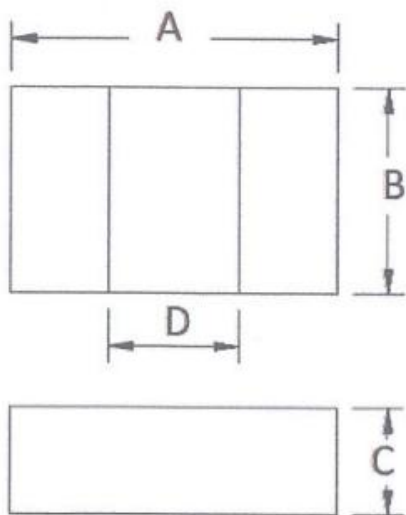


1 Product Identification

GDIM 252012 D - R10 M T F - 4R0
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

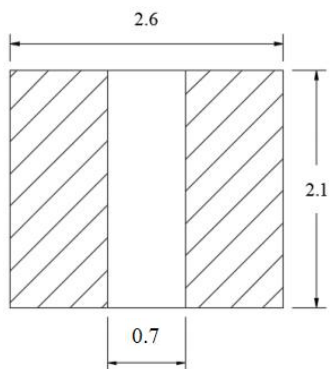
- ① Product Symbol (Molding Power Choke high current series)
- ② Dimensions
- ③ Materials issue to distinguish
- ④ Inductance Value (R10: 0.10μH)
- ⑤ Inductance Tolerance (J:±5%;K:±10%; M:±20%; N:±30%)
- ⑥ Packaging Style (B: Bulk; T: Tape & Reel)
- ⑦ Lead Free
- ⑧ DCR discriminate

2 Appearance, Dimensions(mm)



A	2.5±0.2
B	2.0±0.2
C	1.2 Max
D	0.8typ

LAND PATTERN DIMENSIONS





3 Specifications

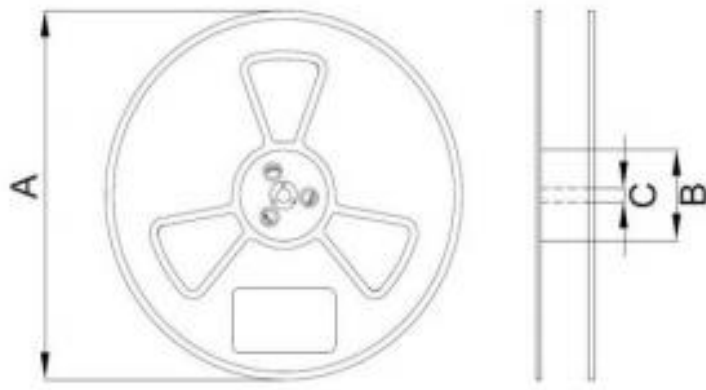
Part No.	Inductance L0(uH) ±20%	RDC (mΩ)		Isat (A)		Irms (A)	
		Max	Typ	Max	Typ	Max	Typ
GDIM252012D-R10MTF-4R0	0.10±20%	4.8	4.0	14.0	15.0	15.0	16.0
GDIM252012D-R22MTF-8R0	0.22±20%	10.0	8.0	10.0	12.0	8.0	11.0
GDIM252012D-R33MTF-10R	0.33±20%	12.0	10.0	8.5	9.0	8.5	9.0
GDIM252012D-R47MTF-11R	0.47±20%	13.0	11.0	8.0	8.5	7.5	8.0
GDIM252012D-R68MTF-15R	0.68±20%	18.0	15.0	6.0	6.7	7.0	7.5
GDIM252012D-1R0MTF-16R	1.0±20%	22.0	16.0	6.0	6.5	5.6	6.1
GDIM252012D-1R5MTF-27R	1.5±20%	32.0	27.0	4.4	4.7	4.2	4.6

※ Note

1. All test data is reference to 25°C ambient.
2. Test Condition: 1MHz, 1.0Vrms.
3. Irms: DC current (A) that will cause an approximate ΔT of 40°C
4. Isat : DC current (A) that will cause L0 to drop approximately 30%typ
5. Operat between temperature range -55°C to +125°C
6. The part temperature (ambient + temp rise) should not exceed 125°C under worst case operating conditions. Circuit design, component. PWB trace size and thickness, airflow nd other cooling procision all affect the part temperature. Part temperature should be verified in the den application
7. The rated current as listed is either the saturation current or the heating current depending on which value is lower.

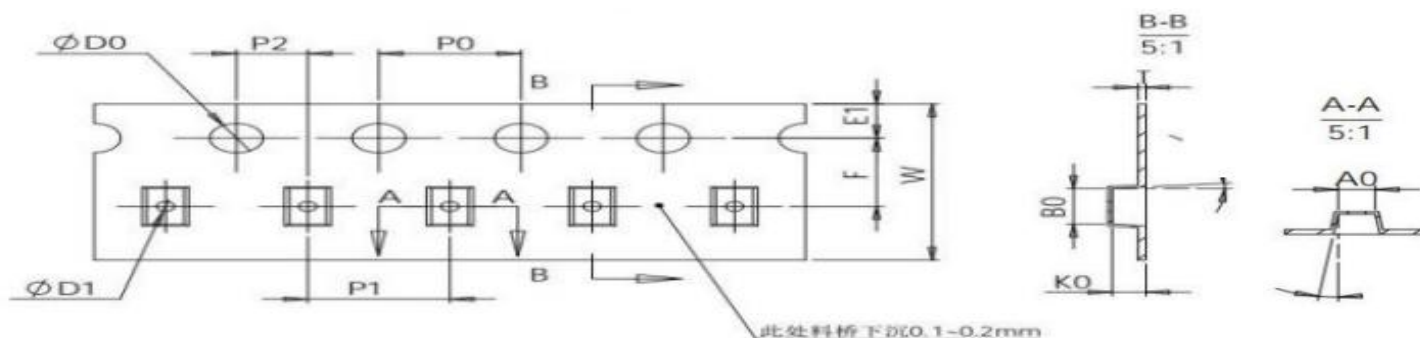
4 Packaging

(1) Dimensions of Reel (mm)



	Size (mm)
A	178± 2.0
B	60± 2.0
C	9.0± 2.0

(2) Dimensions of Tape (mm):



W	A0	B0	K0	E	F	P0	P2	P1	D0	D1	Packaging quantity
8.0 ±0.1	2.35+ 0.1/-0.05	2.8+ 0.1/-0.05	1.35 ±0.1	1.75 ±0.1	3.5 ±0.1	4.0 ±0.1	2.0 ±0.1	4.0 ±0.1	1.5+ 0.1/-0.0	1.0 ±0.2	3000PCS/REEL