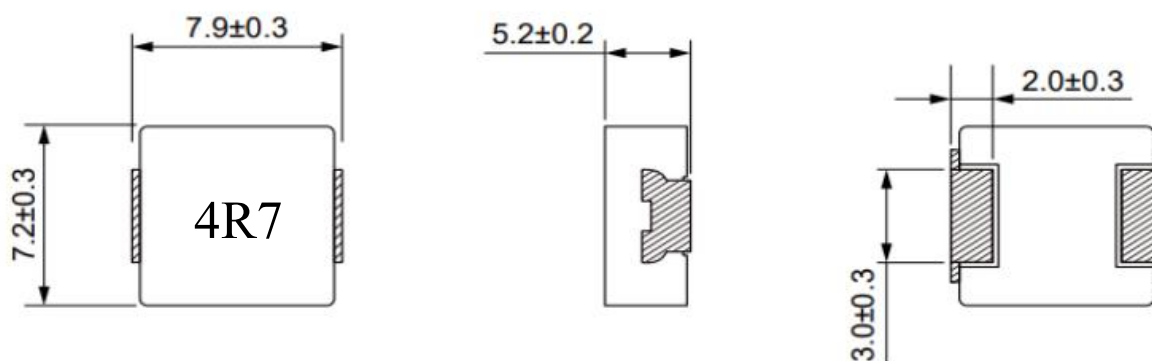


1 Product Identification

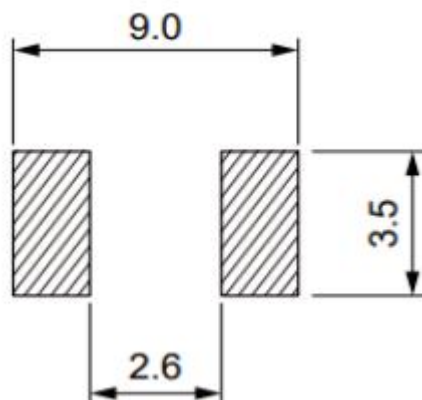
AGDIM 0754 - 4R7 M T F
① ② ③ ④ ⑤ ⑥

- ① GD Automotive-Grade Molding Choke
- ② Dimensions
- ③ Inductance Value (4R7: 4.7μH)
- ④ Inductance Tolerance (J:±5%;K:±10%; M:±20%; N:±30%)
- ⑤ Packaging Style (B: Bulk; T: Tape & Reel)
- ⑥ Lead Free

2 Appearance, Dimensions(mm)



LAND PATTERN DIMENSIONS





3 Specifications

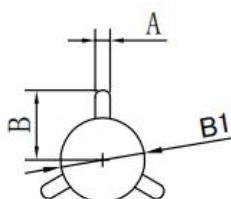
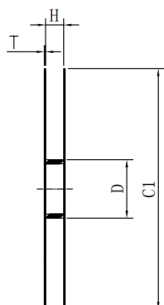
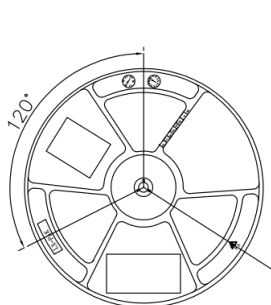
Part No.	Inductance L0(uH) $\pm 20\%$	Rdc (m Ω)		Irms (A)		Isat (A)	
		Typ	Max	Typ	Max	Typ	Max
AGDIM0754-4R7MTF	4.70	18.2	20.9	7.0	6.3	13.2	11.2
AGDIM0754-6R8MTF	6.80	23.1	26.6	6.2	5.5	10.2	8.7
AGDIM0754-8R2MTF	8.20	27.8	31.9	5.8	5.0	9.2	7.7
AGDIM0754-100MTF	10.0	33.0	38.0	5.2	4.7	8.1	6.9
AGDIM0754-150MTF	15.0	60.0	66.0	3.8	3.4	7.0	5.9
AGDIM0754-220MTF	22.0	85.0	93.5	3.3	3.0	6.3	5.4
AGDIM0754-470MTF	47.0	156.0	171.6	2.5	2.2	4.2	3.5
AGDIM0754-560MTF	56.0	190.5	209.3	2.2	2.0	3.3	2.8
AGDIM0754-680MTF	68.0	222.0	255.0	2.0	1.8	2.8	2.4

※ Note

1. All test data is reference to 25°C ambient.
2. Test Condition: 100KHz, 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%
5. Operat between temperature range -55°C to +155°C (Including self-heating)
6. The part temperature (ambient + temp rise) should not exceed 155°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.

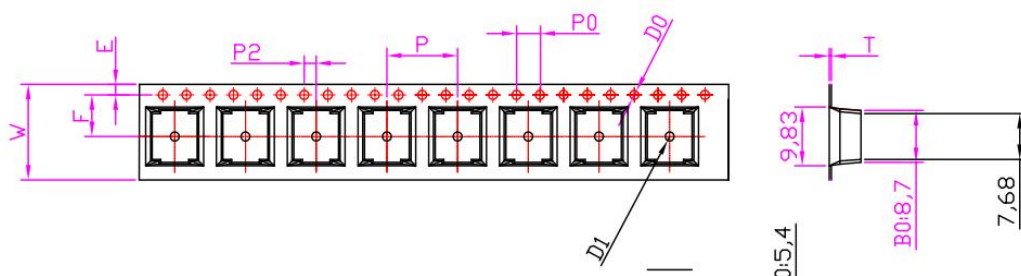
4 Packaging

(1) Dimensions of Reel (mm)



	Size (mm)
C1	330 ± 3.0
H	12.8 ± 0.5
A	2.5 ± 0.3
B	10.75 ± 0.3
B1	$13+0.5/-0.2$
T	2.0 ± 0.2
D	100 ± 1.0

(2) Dimensions of Tape (mm):



W	A0	B0	K0	E	F	P	P0	P2	D0	D	T	Packaging quantity
16.00 ± 0.30	7.60 ± 0.10	8.70 ± 0.10	5.70 ± 0.10	1.75 ± 0.10	7.50 ± 0.10	12.00 ± 0.10	4.00 ± 0.10	2.00 ± 0.10	$1.5+0.1/-0.00$	$1.5+0.1/-0.00$	0.35 ± 0.05	1000PCS /REEL