

Features

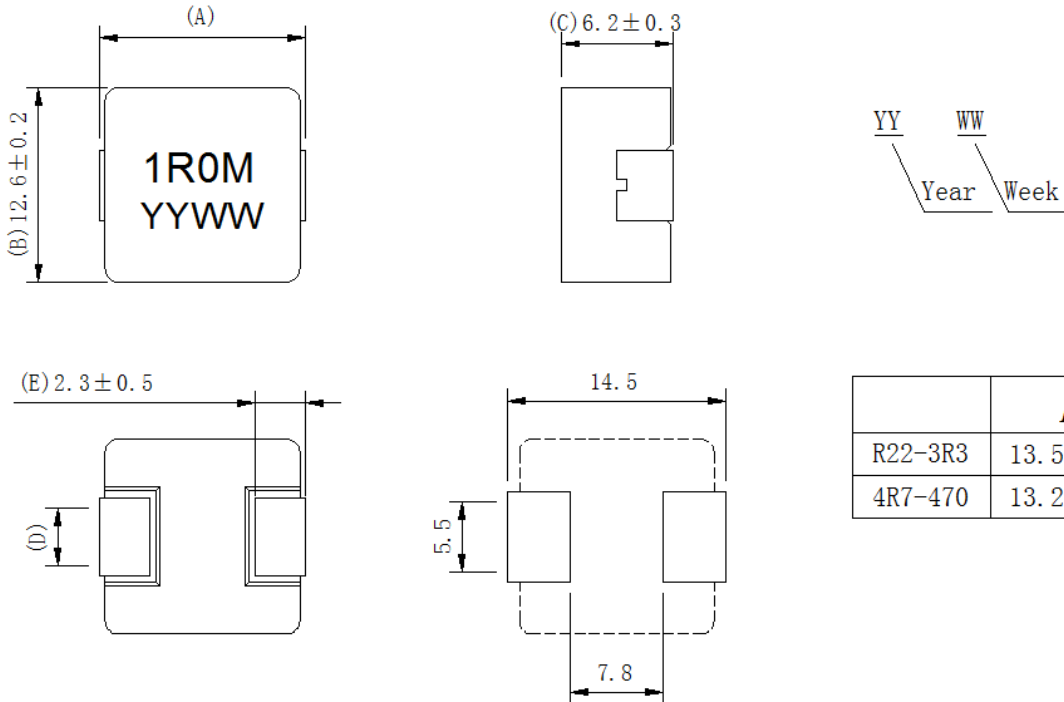
- ⊕ RoHS compliant
- ⊕ Rated voltage: 70V Max.
- ⊕ Magnetic shield construction
- ⊕ CompositeMagnetic powder core
- ⊕ Handle transient current spikes without saturation
- ⊕ Moisture Sensitivity Level (MSL): 1
- ⊕ Ultra low buzz noise due to composite construction
- ⊕ Excellent temperature stability for inductance and saturation
- ⊕ Operating temperature rang(Including temperature rise):
-55°C to +125°C

Applications

- ⊕ DC-DC converters
- ⊕ Battery powered devices
- ⊕ Low Profile, high current power supplier
- ⊕ PDA/notebook/desktop/server applications



Mechanical Dimensions (Units:mm)



	A	D
R22-3R3	13.5 ± 0.5	4.0 ± 0.5
4R7-470	13.2 ± 0.5	4.7 ± 0.5

Electrical Specifications

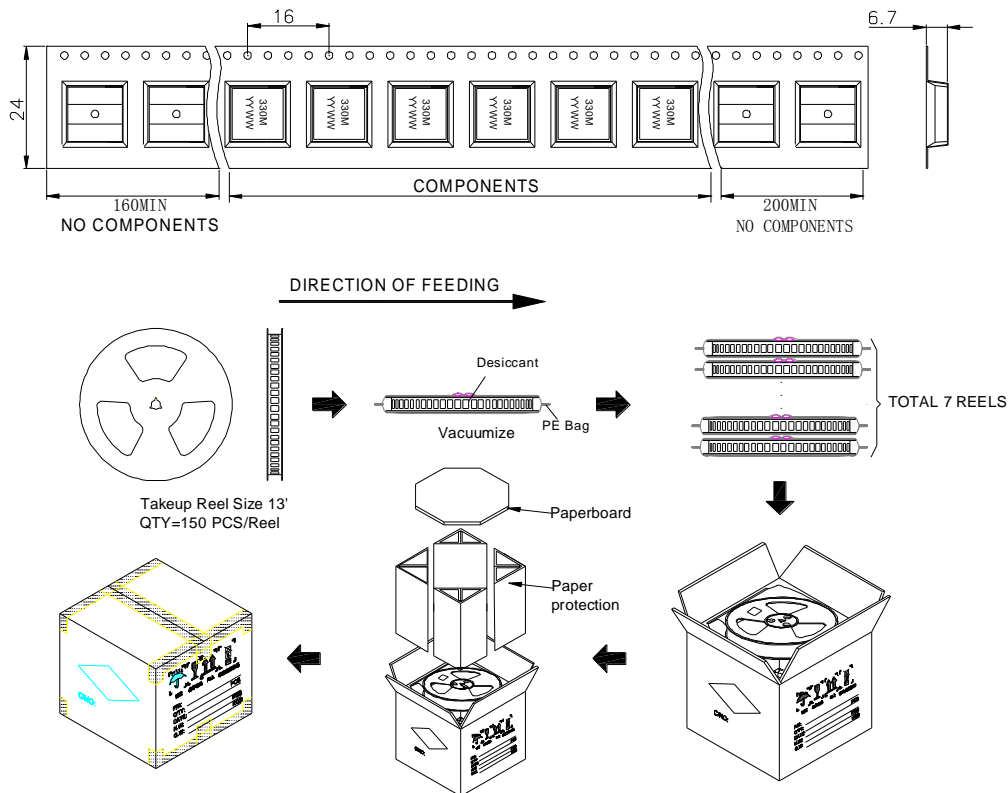
Part Number	L (μ H)	DCR (m Ω)		I _{rms} (A)	I _{sat} (A)
		Typ.	Max.		
MHA1264NSGR22M	0.22 ± 20%	0.40	0.48	70.0	90.0
MHA1264NSGR33M	0.33 ± 20%	0.50	0.60	60.0	85.0
MHA1264NSGR47M	0.47 ± 20%	0.85	1.00	50.0	60.0
MHA1264NSGR68M	0.68 ± 20%	0.85	1.00	40.0	50.0
MHA1264NSG1R0M	1.00 ± 20%	1.50	1.80	35.0	38.0
MHA1264NSG1R5M	1.50 ± 20%	2.00	2.40	28.0	30.0
MHA1264NSG2R2M	2.20 ± 20%	2.50	2.80	25.0	28.0
MHA1264NSG3R3M	3.30 ± 20%	4.50	5.40	20.0	26.0
MHA1264NSG4R7M	4.70 ± 20%	7.20	8.60	16.0	23.0

MHA1264NSG6R8M	6.80±20%	10.5	12.6	14.0	19.0
MHA1264NSG100M	10.0±20%	16.5	20.0	13.0	17.0
MHA1264NSG150M	15.0±20%	23.0	27.5	9.00	12.0
MHA1264NSG220M	22.0±20%	33.0	39.0	7.50	9.00
MHA1264NSG330M	33.0±20%	44.0	52.0	6.00	7.00
MHA1264NSG470M	47.0±20%	70.0	84.0	5.00	6.00
MHA1264NSG680M	68.0±20%	115	130	4.00	5.00
MHA1264NSG101M	100±20%	175	210	3.00	4.00

Notes:

1. All of the electrical specifications are test at 25°C, inductance test at 100KHz/0.25V.
2. Irms is the current that caused a approximate 40°C temperature rise from 25°C ambient.
3. Isat is the DC current at which inductance drop approximately 30% from its value without current.
4. The part temperature(ambient + temp.rise) should not exceed 125°C under worst case operating conditions. Circuit design, component placement, PCB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.
5. Due to product improvement, Product specifications May be changed discontinuously without advance notice. Please contact with sales representatives or product engineers, and the Mentech product approval sheet shall be obtained before ordering.

Packaging Specifications (Units:mm)



300Pcs/Reel	7Reels/Carton
	2100Pcs/Carton