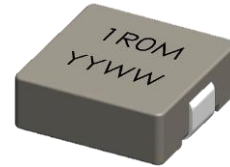


Features

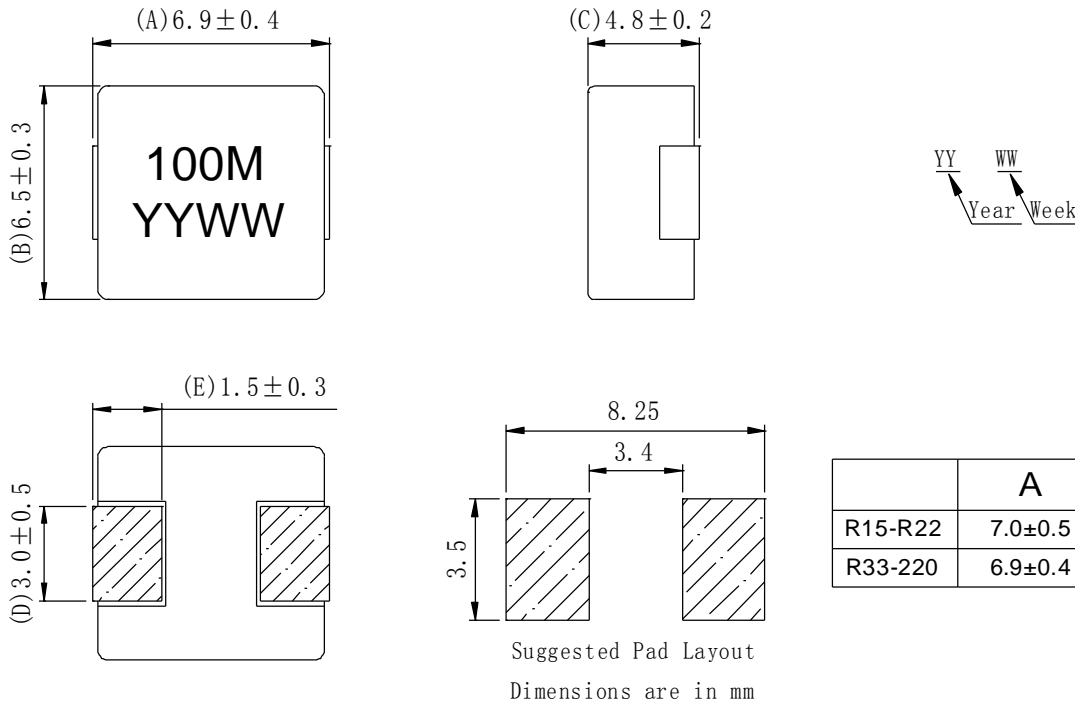
- Ⓢ RoHS compliant
- Ⓢ Magnetic shield construction
- Ⓢ CompositeMagnetic powder core
- Ⓢ Handle transient current spikes without saturation
- Ⓢ Ultra low buzz noise due to composite construction
- Ⓢ Moisture Sensitivity Level (MSL): 1
- Ⓢ Excellent temperature stability for inductance and saturation
- Ⓢ AEC-Q200 Grade 1 qualified (- 55°C to +155°Cambient)
- Ⓢ Operating temperature rang(Including temperature rise): -55°C to +155°C

Applications

- Ⓢ Airbag
- Ⓢ LED lighting
- Ⓢ High current power supplies
- Ⓢ ADAS, Infotainment system



Mechanical Dimensions (Units:mm)



Electrical Specifications

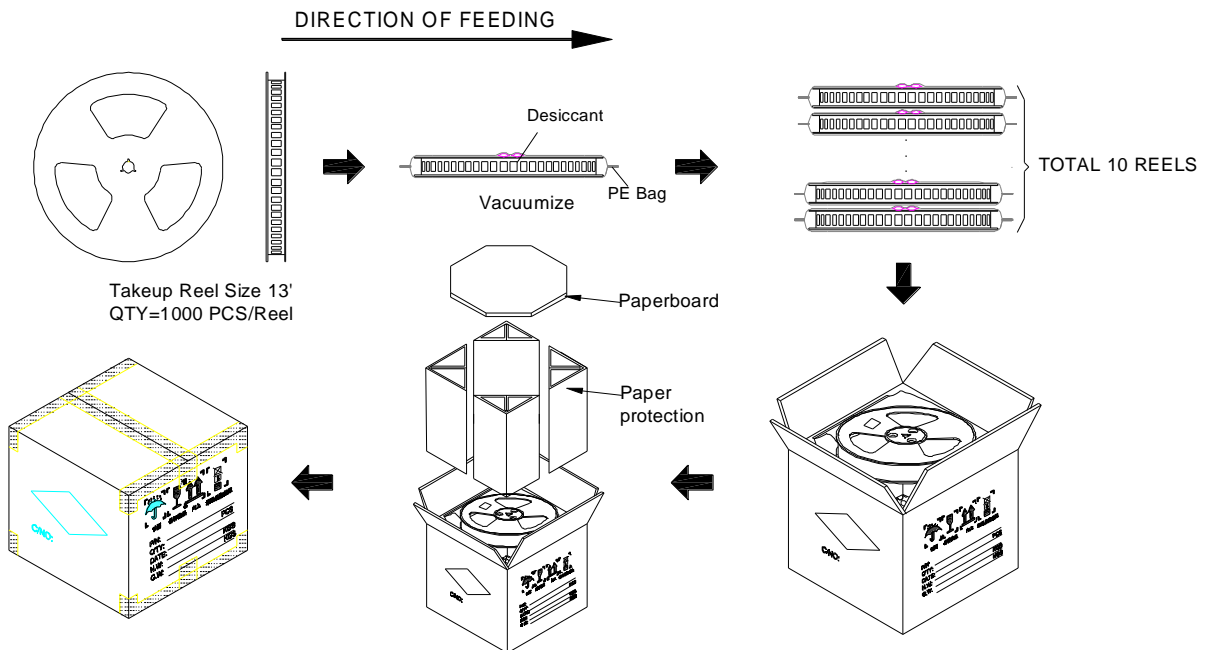
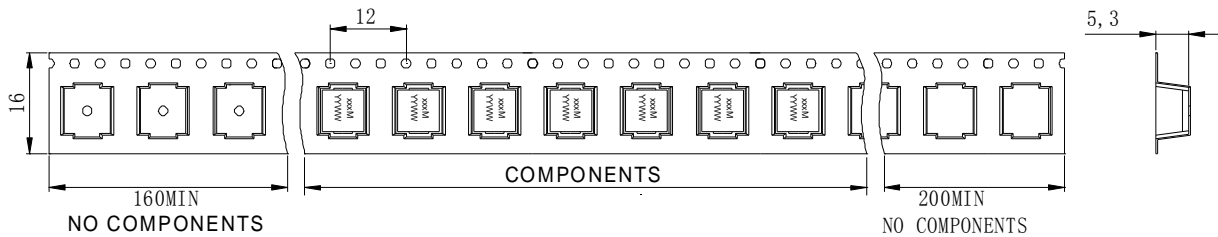
Part Number	L (μ H)	DCR (m Ω)		Irms (A)	Isat (A) Note
		Typ.	Max.		
MHAF0750SGR15M	0.15 ± 20%	0.90	1.10	27.0	35.0
MHAF0750SGR22M	0.22 ± 20%	1.15	1.40	24.0	31.0
MHAF0750SGR33M	0.33 ± 20%	2.70	3.40	16.0	25.0
MHAF0750SGR47M	0.47 ± 20%	3.50	4.20	14.0	18.5
MHAF0750SGR68M	0.68 ± 20%	4.10	5.00	12.0	16.0
MHAF0750SG1R0M	1.00 ± 20%	5.40	6.50	11.0	14.0
MHAF0750SG1R5M	1.50 ± 20%	7.40	8.80	9.50	13.0
MHAF0750SG2R2M	2.20 ± 20%	10.0	12.0	8.00	12.0
MHAF0750SG3R3M	3.30 ± 20%	16.0	18.5	7.00	10.5

MHAF0750SG4R7M	4.70 ± 20%	20.0	23.5	6.50	9.00
MHAF0750SG6R8M	6.80 ± 20%	30.0	35.0	5.00	7.50
MHAF0750SG100M	10.0 ± 20%	43.5	52.0	4.00	6.50
MHAF0750SG150M	15.0 ± 20%	70.0	81.0	3.20	5.00
MHAF0750SG220M	22.0 ± 20%	105	122	2.60	4.00
MHAF0750SG330M	33.0 ± 20%	155	183	2.10	3.00
MHAF0750SG470M	47.0 ± 20%	215	256	1.80	2.50

Notes:

1. All of the electrical specifications are test at 25°C, inductance test at 100KHz/0.25V.
 2. I_{rms} is the current that caused a approximate 40°C temperature rise from 25°C ambient.
 3. I_{sat} 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 155°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)



1000Pcs/Reel	10Reels/Carton
	10000Pcs/Carton