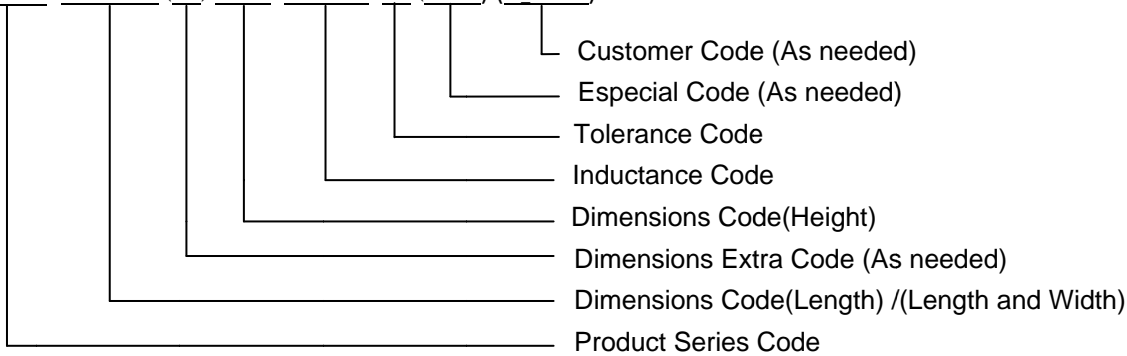


**Applications**

- PDA / notebook / desktop / server applications
- Data networking and storage systems
- Low profile, high current power supplies
- Battery power systems
- SSD modules
- Notebook regulators
- Multi-phase regulators
- DC/DC converters in distributed power systems
- Smart phone POL modules

**Product Identification**

Y M □ □ . . . □ (□) □ □ □ □ □ (□ □) (-□ □)



**Features**

- Iron alloy powder material
- Ultra low buzz noise
- Magnetically shielded, Low EMI
- High current carrying capacity, Low core losses

**Notes**

- All test data is referenced to 25°C ambient
- Operating temperature range -55°C~+125°C (Including self temperature rise)
- Isat (A) : DC current that will cause Lo to drop approximately 30%
- Irms(A): DC current that will cause an approximate 40°C temperature rise

**Measure Equipment**

- Ls: Wayne kerr 6500B/3265B LCR meter (100KHZ, 1.0V/1.0MHZ, 1.0V for mini molding)
- Isat/Irms: Wayne kerr 6500B+6565B/3260B+3265B
- DCR: RM3548

**Customization: according to customer's requirements**

### Electrical Characteristics

Part Number	Inductance ( $\mu\text{H}$ )	Test Condition	RDC(m $\Omega$ ) Max./Typ.	Irms(A) Typ.	Isat(A) Typ.
YMF1058100M	10 $\pm$ 20%	100kHz,1.0V	27/25	7.0	8.0
YMF1005351R0M	1.0 $\pm$ 20%	100kHz,1.0V	11.5/10.5	9.0	9.0
YMF105502R2M	2.2 $\pm$ 20%	100kHz,1.0V	13/11.5	11	15