

## High Current Low Profile Surface Mount Inductors



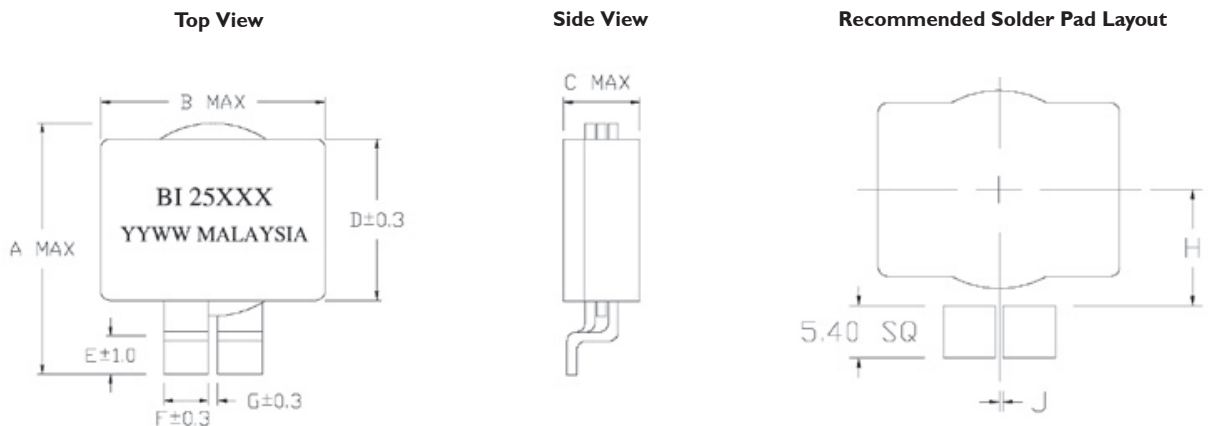
- Operating Temperature Range -40°C to +130°C
- Insulation System Class F, 155°C
- Ambient Temperature, Maximum 85°C

### Specifications

Part Number	Inductance <sup>(1)</sup> μH ± 20%	I <sub>rated</sub> <sup>(2)</sup> Rated Current (A)		Heating Current <sup>(3)</sup> (A)	DC Resistance <sup>(4)</sup>	
		25 °C	130 °C		mΩ Typ.	mΩ Max.
HM100-251R0	1.0	85	65	62	0.7	0.9
HM100-251R5	1.5	55	45	62	0.7	0.9
HM100-252R0	2.0	45	35	62	0.7	0.9

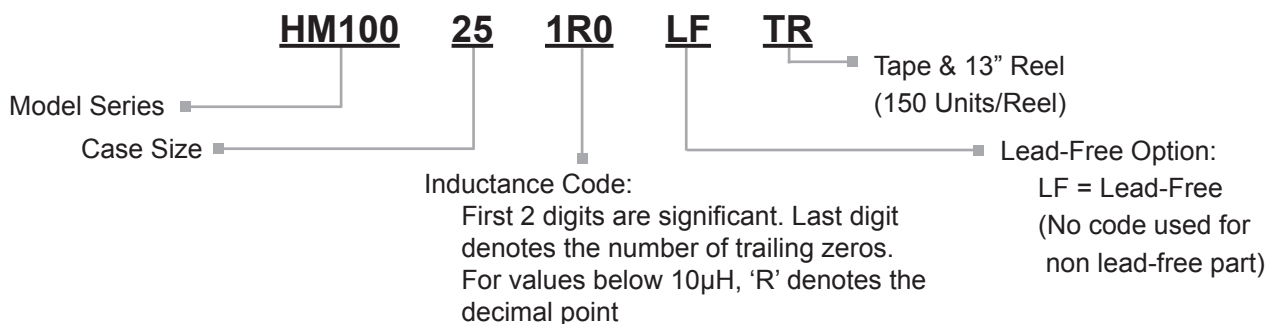
- Notes:
- (1) Inductance is measured at 100kHz, 0.1 Vac without DC current.
  - (2) The rated current (I<sub>rated</sub>) is the approximate current at which inductance will be decreased by 20% from its initial (zero DC) value.
  - (3) Heating Current is the DC current which causes the inductor temperature to increase by approximately 40°C.
  - (4) DC resistance is measured at 25°C.

### Outline Dimensions (mm)



Case Size	A	B	C	D	E	F	G	H	J
25	28.0	25.5	8.8	18.0	3.8	5.0	1.0	12.0	0.4

### Ordering Information



Electrical Characteristics @ 25°C

