Magnetics

Surface Mount Common Mode Chokes
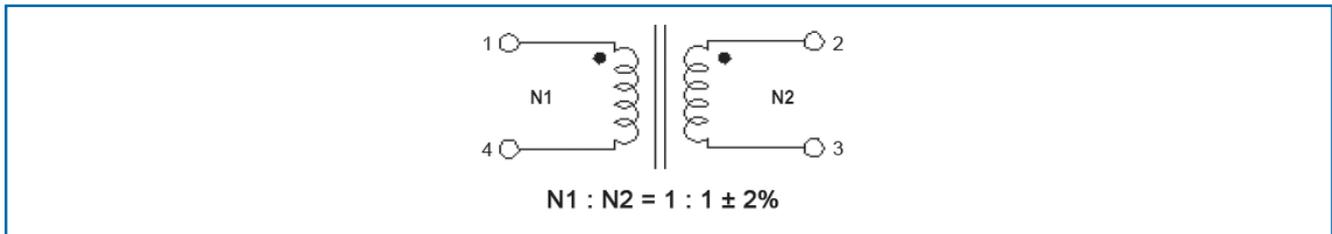
MODEL HM85

Features

- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum +80°C
- Temperature Rise, Maximum 45°C
- RoHS Compliant

Schematics

1   N1   N2   2

4   3

N1 : N2 = 1 : 1 ± 2%

Specifications @ 25°C

Part Number	Inductance (1-4 or 2-3) mH ±30%	Rated Current Amps	DC Resistance mΩ Max.	Case Size	Height mm Max.
HM85-32261LF	0.26	3.0	15.5	STM32	5.6
HM85-37501LF	0.50	2.2	50.0	STM37	8.3
HM85-37102LF	1.00	1.8	70.0	STM37	8.3
HM85-37152LF	1.50	1.5	100.0	STM37	8.3
HM85-37103LF	10.0	1.0	450	STM37	8.3
HM85-37223LF	22.0	0.5	850	STM37	8.3
HM85-44151LF	0.15	5.6	10.0	STM44	9.3
HM85-50221LF	0.22	3.7	30.0	STM50	10.0
HM85-50591LF	0.59	5.6	18.5	STM50	10.0
HM85-50771LF	0.77	4.7	40.0	STM50	10.0
HM85-50102LF	1.00	3.2	55.0	STM50	10.0
HM85-50132LF	1.30	3.0	60.0	STM50	10.0
HM85-50152LF	1.50	2.4	90.0	STM50	10.0
HM85-50302LF	3.00	2.0	120.0	STM50	10.0

Notes:
(1) Inductance is measured at 100kHz, 0.1Vrms.
(2) It is recommended that the temperature of the component (ambient plus temperature rise) does not exceed 125°C under worst case operating conditions.
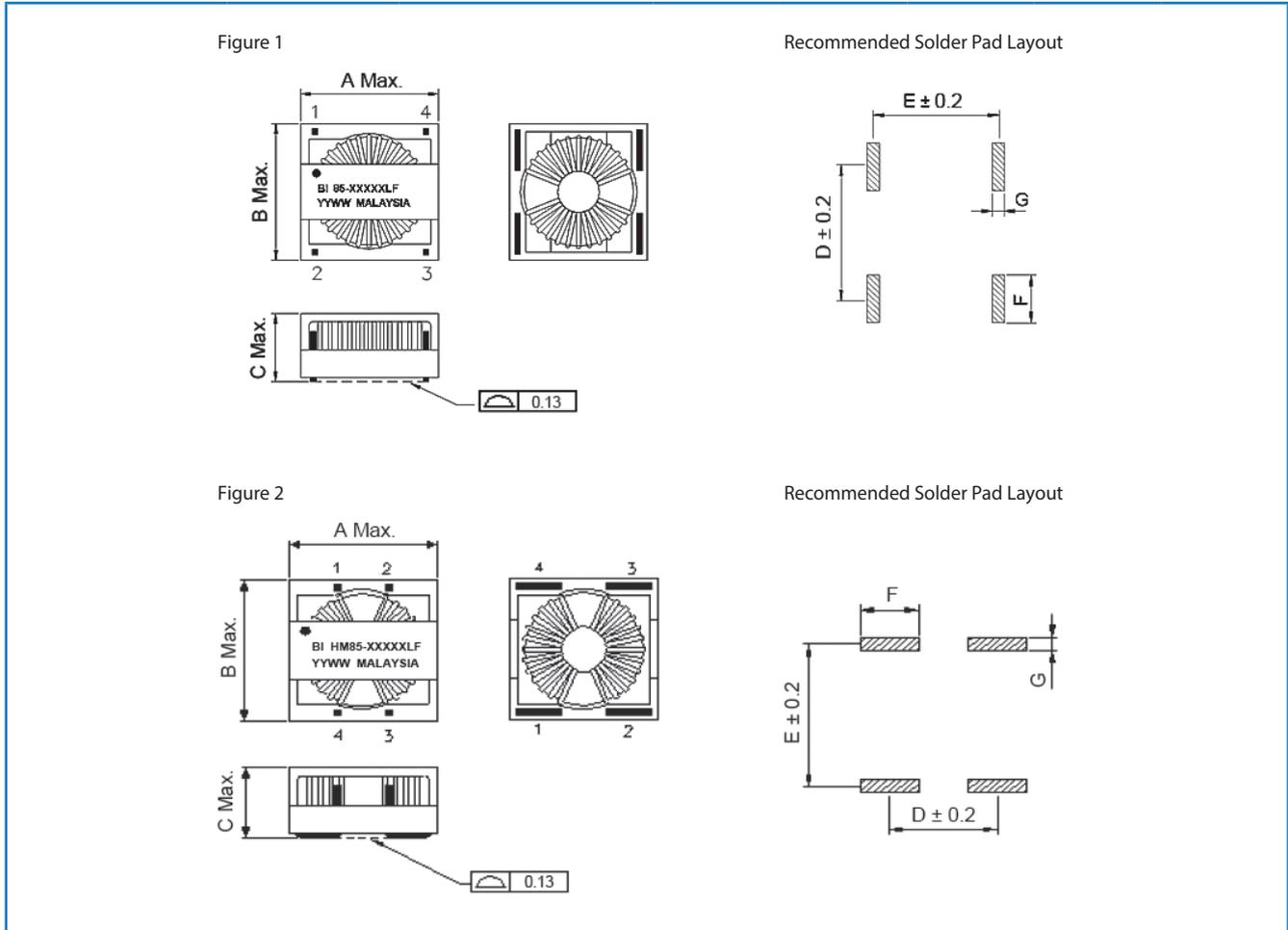
Packaging

Standard:	Embossed Tape and Reel			
	Reel:	Diameter:	=	13" (330.2mm)
		Capacity: Case size STM32	=	500 Units
		Case size STM37	=	200 Units
		Case size STM44	=	200 Units
		Case size STM50	=	150 Units

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability.

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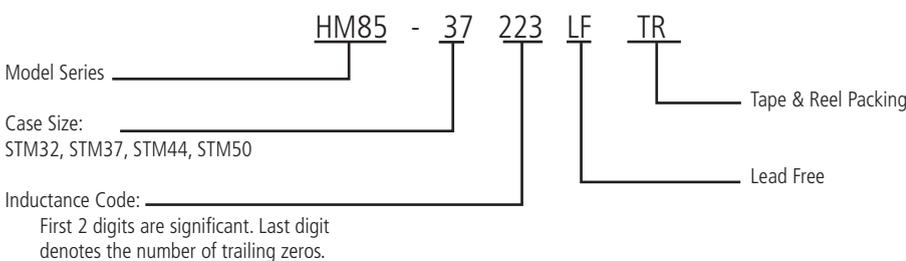
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Outline Dimensions (mm)

Figure 1

A Max.

B Max.

BI 85-XXXXXLF
YYWW MALAYSIA

C Max.

0.13

Recommended Solder Pad Layout

E ± 0.2

D ± 0.2

G

F

Figure 2

A Max.

B Max.

BI HM85-XXXXXLF
YYWW MALAYSIA

C Max.

0.13

Recommended Solder Pad Layout

F

E ± 0.2

G

D ± 0.2

Case Size	Figure	A	B	C	D	E	F	G
STM32	1	12.7	14.7	5.6	10.1	10.4	2.5	1.4
STM37	2	14.4	16.4	8.3	8.6	13.5	4.5	1.6
STM44	2	15.0	18.2	9.3	9.4	15.5	4.5	1.6
STM50	2	18.0	19.4	10.0	11.3	16.8	4.5	1.6

Ordering Information

HM85 - 37 223 LF TR

Model Series

Case Size:
STM32, STM37, STM44, STM50

Inductance Code:
First 2 digits are significant. Last digit
denotes the number of trailing zeros.

Lead Free

Tape & Reel Packing

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