

Electrical / Environmental

- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum +80°C
- Temperature Rise, Maximum 45°C
- Insulation System Class B, 130°C

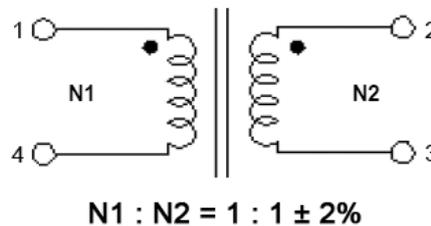


HM85

Surface Mount Common Mode Chokes



Schematic



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.

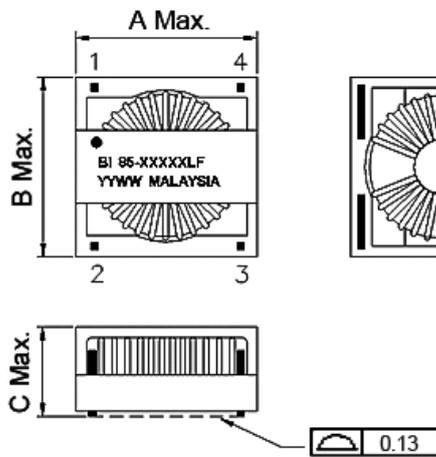
Packaging

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

Outline Dimensions (mm)

Figure 1



Recommended Solder Pad Layout

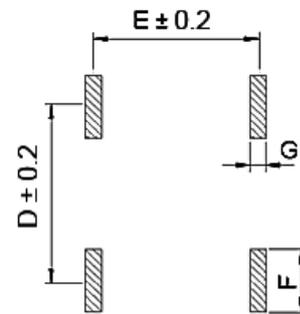
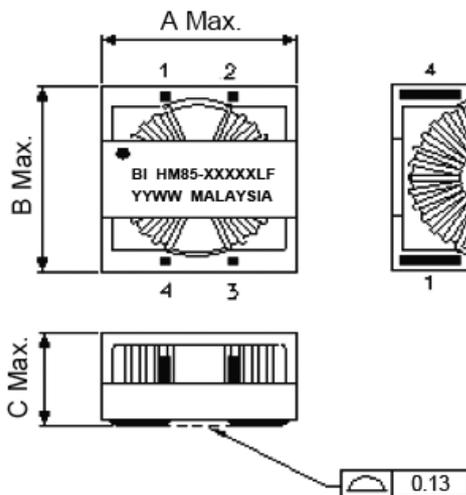
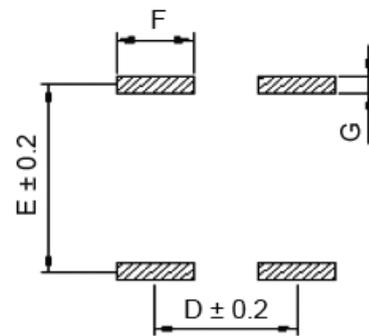


Figure 2



Recommended Solder Pad Layout



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

