
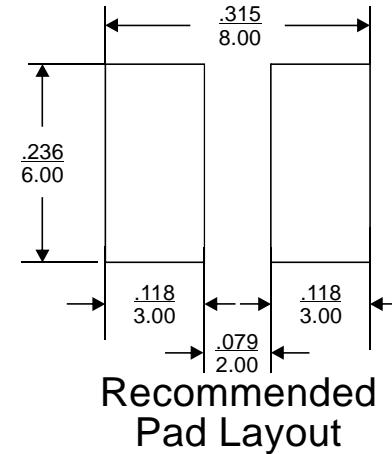
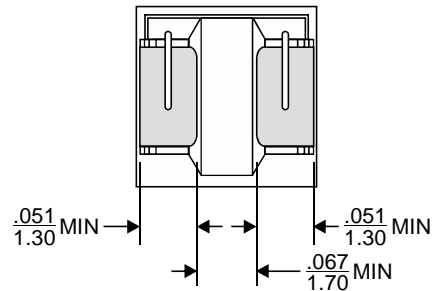
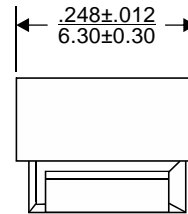
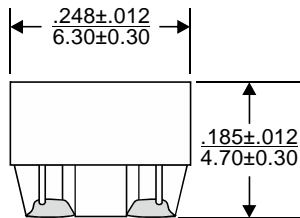
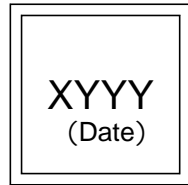


REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE FOR RFQ# A02-5405	N/A	11/13/02
02	UPDATE RoHS COMPLIANT VERSION	EE15480	02/07/14
03	ADD AVERAGE OF DCR AND UPDATE SPECIFICATION OF Ls @Irated	EE15504	02/27/14
04	UPDATED THE OPERATING TEMPERATURE RANGE	EE16456	03/31/15
05	UPDATED THE PCB LAYOUT& ADD DATE CODE	EE18352	01/23/18

When ordering, please add suffix "T" to the part number for tape & reel packaging (13" reel).

PAGE 4 IS FOR INTERNAL USE ONLY

PART NUMBER	PART DESCRIPTION		TITLE										
SISLQH66Sx-yyy	Standard version, with Lead(Pb)		INDUCTOR, POWER, WIRE WOUND, SHIELDED, SMD										
SISLQH66Sx-yyyF	RoHS compliant per EU Directive 2011/65/EU												
<p align="center"><b><u>WARNING !</u></b></p> <p>ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&amp;E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.</p>	<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.</p> <p align="center"><u>TOLERANCE ARE:</u></p> <table border="0"> <tr> <td>INCH</td> <td>mm</td> <td>ANGLE</td> </tr> <tr> <td>.XXX ± .005</td> <td>.XX ± 0.13</td> <td>X.X ± 0.3</td> </tr> <tr> <td>.XX ± .02</td> <td>.X ± 0.5</td> <td>X. ± 1</td> </tr> </table>	INCH	mm	ANGLE	.XXX ± .005	.XX ± 0.13	X.X ± 0.3	.XX ± .02	.X ± 0.5	X. ± 1	APPROVALS		 <p align="center">E &amp; E Magnetic Products Ltd.</p>
		INCH	mm	ANGLE									
		.XXX ± .005	.XX ± 0.13	X.X ± 0.3									
		.XX ± .02	.X ± 0.5	X. ± 1									
		DRAWN BY	K.DENG	01/23/18	DRAWING NO./MODEL								
PROJ. ENG	K.DENG	01/23/18											
APPROVED BY	J. YANG	01/23/18	SISLQH66SX-YYY										
Q.A.	D. LUO	01/23/18		REV									
			05										
			SCALE	PAGE									
			DO NOT SCALE	1 OF 4									



## MECHANICAL OUTLINE

1. Dimensions are specified in  $\frac{\text{inches}}{\text{mm}}$  with higher precedence in mm.
2. Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$ .
3. Coplanarity:  $\frac{.004}{0.10}$  maximum.
4. Marking "YYYY" is the inductance and tolerance code which is described in page 3. For RoHS compliant version, SISLQH66Sx-yyy, the part will be marked with "YYYYF", instead of "YYYY". Date code: YWW



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DRAWING NO./MODEL

SISLQH66SX-YYY

REV

05

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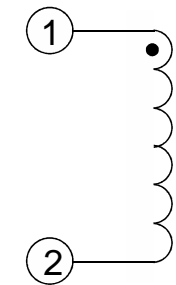
OF

2

4

**ELECTRICAL SPECIFICATION @25°C:**

E & E Part No. SISLQH66SX-YYY	Inductance Ls (mH)	Inductance Tolerance Code, X (in %) M	Test Frequency (Hz)	SRF (MHz) Min.	RDC (mW)		Rated DC Current (mA) Max	Marking (YYYY)
					Typical	Maximum		
SISLQH66SM-R27	0.27	±20	1M	300	7	9.8	6000	MR27
SISLQH66SM-R68	0.68	±20	1M	180	10	14.0	5300	MR68
SISLQH66SM-1R0	1.0	±20	1M	150	13	18.2	4700	M1R0
SISLQH66SM-1R5	1.5	±20	1M	110	16	22.4	3800	M1R5
SISLQH66SM-2R2	2.2	±20	1M	80	19	26.6	3300	M2R2
SISLQH66SM-3R3	3.3	±20	1M	40	22	30.8	2600	M3R3
SISLQH66SM-4R7	4.7	±20	1M	30	25	35.0	2200	M4R7
SISLQH66SM-6R8	6.8	±20	1M	25	29	40.6	1800	M6R8
SISLQH66SM-100	10	±20	1M	20	36	50.4	1600	M100
SISLQH66SM-150	15	±20	1M	17	69	96.6	1300	M150
SISLQH66SM-220	22	±20	1M	15	87	121.8	1100	M220
SISLQH66SM-330	33	±20	1M	12	140	196.0	860	M330
SISLQH66SM-470	47	±20	1M	10	170	238.0	760	M470
SISLQH66SM-680	68	±20	1M	7.6	290	406.0	600	M680
SISLQH66SM-101	100	±20	100k	6.5	360	504.0	520	M101
SISLQH66SM-151	150	±20	100k	5.0	630	882.0	420	M151
SISLQH66SM-221	220	±20	100k	4.0	790	1106	350	M221
SISLQH66SM-331	330	±20	100k	3.2	1800	2520	280	M331
SISLQH66SM-471	470	±20	100k	2.5	2200	3080	240	M471
SISLQH66SM-681	680	±20	100k	2.0	3900	5460	200	M681
SISLQH66SM-102	1000	±20	10k	1.7	4900	6860	160	M102
SISLQH66SM-222	2200	±20	10k	1.2	9400	13160	100	M222
SISLQH66SM-472	4700	±20	10k	0.8	19500	27300	70	M472
SISLQH66SM-103	10000	±20	10k	0.5	39700	55580	50	M103



**SCHEMATIC**

5. Add the tolerance code of inductance by replacing "X" of the part number by:


M= ± 20%, where M tolerance is standard.

6. When applied Rated current to the Products, self temperature rise shall be limited to 40°C max and Inductce will be within +/-40% of initial Inductor value.

7. Test frequency is specified as the frequency for measuring inductance.

8. Self-resonant frequency is for reference only.

9. Operating temperature range: -40°C to +85°C.

 <b>E &amp; E Magnetic Products Ltd.</b>	
DRAWING NO./MODEL	REV
<b>SISLQH66SX-YYY</b>	<b>05</b>
SCALE <b>DO NOT SCALE</b>	PAGE 3 OF 4