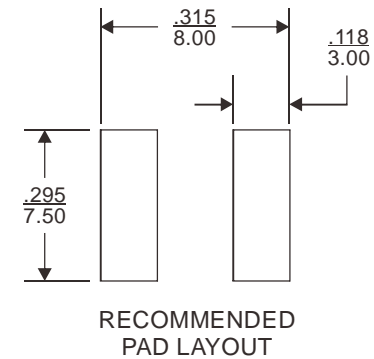
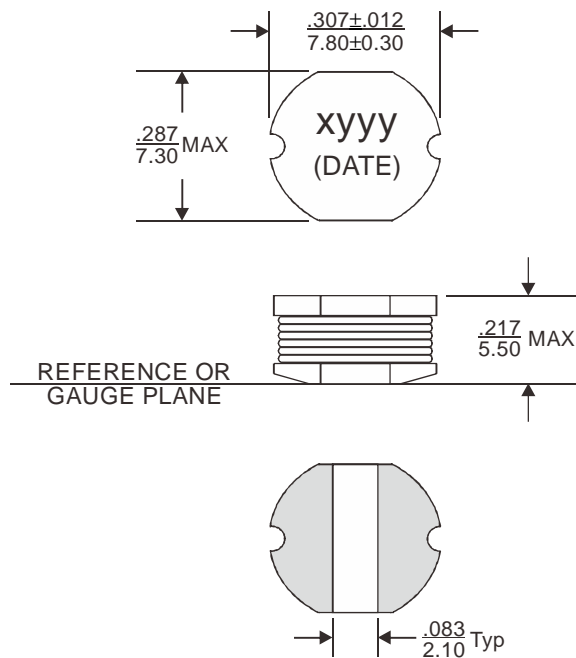


REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE	N/A	06/18/15

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

PAGE 4 & 5 ARE FOR INTERNAL ONLY

PART NUMBER		PART DESCRIPTION		TITLE										
UISLD75x-yyyF		RoHS compliant per EU Directive 2011/65/EU		PPIN, UNSHIELDED, SMD, UISLD75 SERIES										
<p align="center">WARNING !</p> <p>ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.</p>		UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.		E & E Magnetic Products Ltd.										
		TOLERANCE ARE:		DRAWING NO./MODEL										
		<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	REV	
		INCH	mm	ANGLE										
		.XXX ± .005	.XX ± 0.13	X.X ± 0.3										
.XX ± .02	.X ± 0.5	X. ± 1												
<table border="0"> <tr> <td>APPROVALS</td> <td>DATE</td> </tr> <tr> <td>DRAWN BY J. FENG</td> <td>06/18/15</td> </tr> <tr> <td>PROJ. ENG J. FENG</td> <td>06/18/15</td> </tr> <tr> <td>APPROVED BY J. YANG</td> <td>06/18/15</td> </tr> <tr> <td>Q.A. D. LUO</td> <td>06/18/15</td> </tr> </table>		APPROVALS	DATE	DRAWN BY J. FENG	06/18/15	PROJ. ENG J. FENG	06/18/15	APPROVED BY J. YANG	06/18/15	Q.A. D. LUO	06/18/15	UISLD75x-yyyF		
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Q.A. D. LUO	06/18/15													
SCALE		PAGE		OF										
DO NOT SCALE		1		5										



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 "xyyy" is the inductance code which is described in page 3.
5. "(DATE)" includes at least the manufacturing date code (in YYWW format) plus Manufacturing site code

MECHANICAL OUTLINE



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DRAWING NO./MODEL		REV	
UISLD75x-yyyF		01	
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ELECTRICAL SPECIFICATION @25°C:

E&E Part No. UISLD75x-yyyF	Inductance, Ls (μ H)	Inductance Tolerance	DCR (m Ω) Max	⁸ Isat (A)	⁹ Irms (A)	Marking (yyyy)
		x ⁶				
UISLD75x-100F	10	M / K	70	3.45	3.83	x100
UISLD75x-120F	12	M / K	80	3.20	3.57	x120
UISLD75x-150F	15	M / K	90	2.85	3.38	x150
UISLD75x-180F	18	M / K	100	2.60	3.19	x180
UISLD75x-220F	22	M / K	110	2.45	3.13	x220
UISLD75x-270F	27	M / K	120	2.10	2.81	x270
UISLD75x-330F	33	M / K	130	2.01	2.70	x330
UISLD75x-390F	39	M / K	160	1.85	2.42	x390
UISLD75x-470F	47	M / K	180	1.64	2.25	x470
UISLD75x-560F	56	M / K	240	1.50	1.96	x560
UISLD75x-680F	68	M / K	280	1.35	1.88	x680
UISLD75x-820F	82	M / K	370	1.28	1.63	x820
UISLD75x-101F	100	M / K	430	1.15	1.53	x101
UISLD75x-121F	120	M / K	470	1.09	1.43	x121
UISLD75x-151F	150	M / K	640	0.95	1.23	x151
UISLD75x-181F	180	M / K	710	0.87	1.15	x181
UISLD75x-221F	220	M / K	960	0.79	1.00	x221
UISLD75x-271F	270	M / K	1110	0.73	0.94	x271
UISLD75x-331F	330	M / K	1260	0.64	0.83	x331
UISLD75x-391F	390	M / K	1770	0.58	0.78	x391
UISLD75x-471F	470	M / K	1960	0.55	0.74	x471

⁶ Add the tolerance code of inductance by replacing "x" of the part number by: K= \pm 10%, M= \pm 20%.

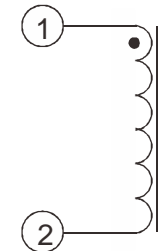
7. Unless otherwise specified, all testing is made at 100KHz, 0.25Vrms.

⁸ The saturation current, Isat, is the DC current at which the inductance of the component drops by 10% typical at an ambient temperature of 25°C.

⁹ The heating current, Iirms, is the DC current required to raise the component temperature by approximately 40°C at an ambient temperature of 25°C.

10. Operating temperature range: -40°C to +125°C.

11. The part temperature (ambient temperature + temperature rise) should not exceed the upper limit of the operating temperature under worst case operating conditions. Circuit design, component placement, PWB trace size and thickness, airflow and other cooling provisions all affect the part temperature. Part temperature should be verified in the end application.



SCHEMATIC



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DRAWING NO./MODEL

UISLD75x-yyyF

REV

01

SCALE

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PAGE

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OF

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