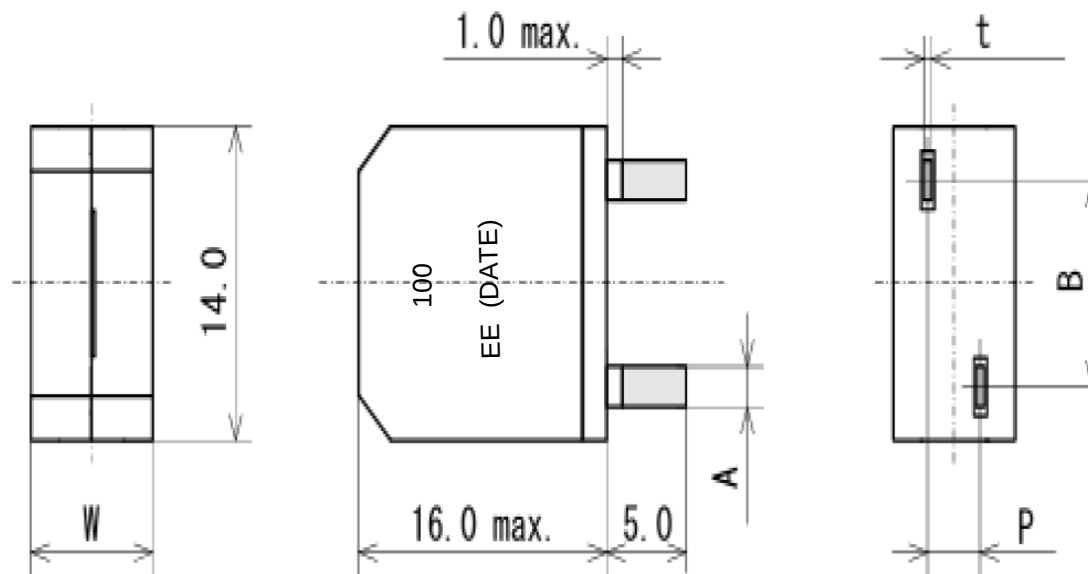


		REVISIONS													
		REV.	DESCRIPTION	ECN NO.	DATE										
		Pre-01	FIRST RELEASE	N/A	02/14/25										
		TITLE													
		INDUCTOR ,TH ,10 uH													
WARNING ! ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm. TOLERANCE ARE: <table><tr><td>INCH</td><td>mm</td><td>ANGLE</td></tr><tr><td>.XXX ± .005</td><td>.XX ± .13</td><td>X.X ± 0.3</td></tr><tr><td>.XX ± .02</td><td>.X ± .5</td><td>X. ± 1</td></tr></table>	INCH	mm	ANGLE	.XXX ± .005	.XX ± .13	X.X ± 0.3	.XX ± .02	.X ± .5	X. ± 1	APPROVALS	DATE	 E & E Magnetic Products Ltd. DRAWING NO./MODEL Y31-00537F SCALE DO NOT SCALE		REV
		INCH	mm	ANGLE											
		.XXX ± .005	.XX ± .13	X.X ± 0.3											
		.XX ± .02	.X ± .5	X. ± 1											
		DRAWN BY	02/14/25												
		PROJ. ENG	02/14/25	Y31-00537F		Pre-01									
APPROVED BY	02/14/25														
Q.A.	02/14/25	PAGE 1 OF 3													



Fixed



W	P	t	A	B
9.6	4.4	0.5	1.8	9.2

1. Dimensions are specified in mm.
2. Unless otherwise specified, all tolerances are ± 0.25 mm.
3. "(DATE)" includes at least the manufacturing date code(in YYWW format)



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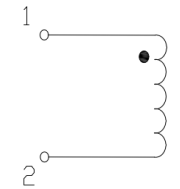
2

OF

3

ELECTRICAL SPECIFICATION @25°C

PARAMETERS	UNIT	LIMIT
INDUCTANCE @100kHz,0.1V	uH	10 ±20%
DCR	mΩ	9.2 Max.
Rated Current,IR	A	7.0
Saturation Current,Isat	A	15



SCHEMATIC

4. The saturation current Isat, is the current at which the inductance of the component drops by 25 % typical at an ambient temperature of 25°C.
5. The Rated current,IR,is the current required to raise the component temperature by approximately 40°C at an ambient temperature.
6. Operating temperature range:- 40 to +125°C.

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