REVISIONS

REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE	N/A	03/05/20

PAGE 4 IS FOR INTERNAL ONLY

When ordering, please add suffix "T" to the part number for tape & reel packaging (330mm reel).

PART NUMBER	PART DESCRIPTION
835-01496F	RoHS compliant per EU Directive 2015/863/EU

TITLE

TRANSFORMER, SMD, 6 PIN

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:

INCH	mm	ANGLE
.XXX±.005	.XX±.13	X.X±0.3
.XX±.02	.X±.5	X.±1

APPROVALS		DATE
DRAWN BY	Y.L. YUNG	03/05/20
PROJ. ENG	Y.L. YUNG	03/05/20
APPROVED BY	D. YUNG	03/05/20
Q.A.	W. ZHANG	03/05/20

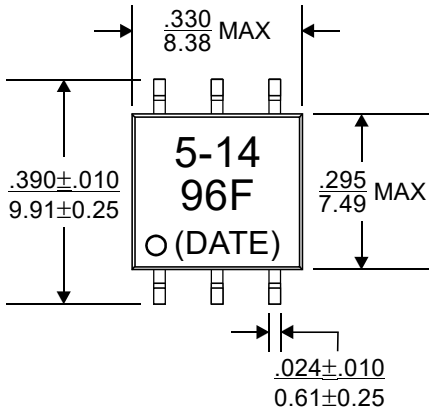
E & E Magnetic Products Ltd.

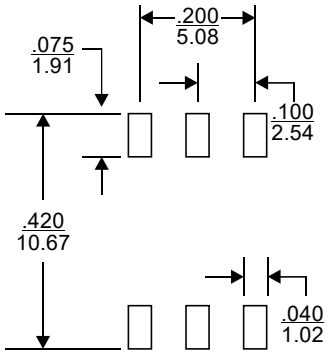
DRAWING NO./MODEL: 835-01496F

REV: 01

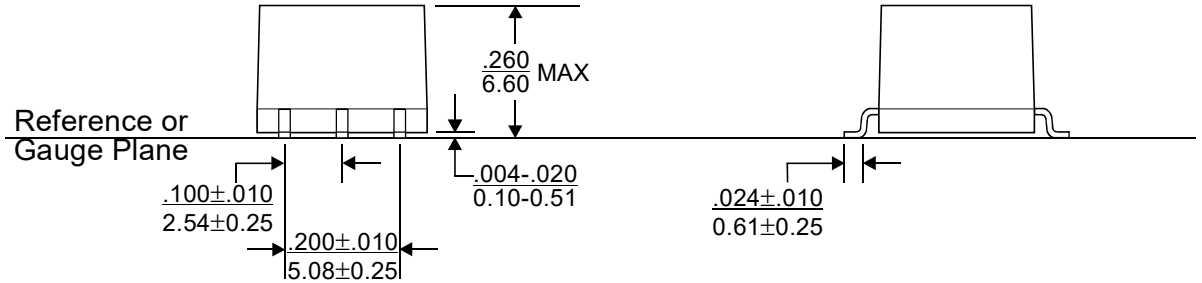
SCALE: DO NOT SCALE

PAGE 1 OF 4





Recommended
Pad Layout



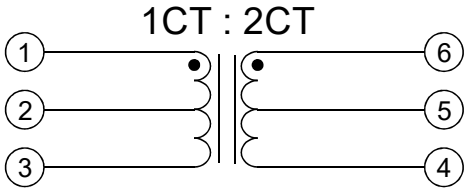
1. Dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
2. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
3. Coplanarity: $\frac{.004}{0.10}$ max.
4. "(DATE)" includes at least the manufacturing date code(in YYWW format).

MECHANICAL OUTLINE

E & E Magnetic Products Ltd.

DRAWING NO./MODEL	REV
835-01496F	01

SCALE	PAGE	OF
DO NOT SCALE	2	4



SCHEMATIC

ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMITS
Turns Ratio (1-3):(6-4)	-	1CT : 2CT
Polarity	-	Per Schematic
Inductance, Ls(1-3) @10KHz, 0.1Vrms	uH	475 Min
DCR(1-3) @20°C	Ω	0.35 Max
DCR(6-4) @20°C	Ω	0.57 Max
Hipot, 1 minute	VAC	1500 Min

5. Rated current: 350mArms
6. Voltage-time: 11Vμsec
7. The part is designed to meet functional insulation level with working voltage up to 400Vrms as per UL60950-1.
8. Operating temperature range: -40°C to +125°C. 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.

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DRAWING NO./MODEL	REV
835-01496F	01

SCALE	PAGE	OF
DO NOT SCALE	3	4