REVISIONS			
REV.	DESCRIPTION	ECN NO.	DATE
01	FIRST RELEASE	N/A	01/16/20
02	RELAX DCR SPEC. AND UPDATE INTERNAL PAGE	EE1xxxx	

Automotive
Application

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

PAGE 4 IS FOR INTERNAL ONLY

PART NUMBER	PART DESCRIPTION
A35V00137F	RoHS compliant per EU Directive 2011/65/EU and (EU) 2015/863

TITLE

TRANSFORMER, SMD, 6 PIN, EXT. TEMP.

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	01/16/20
PROJ. ENG	Y.L. YUNG	01/16/20
APPROVED BY	D. YUNG	01/16/20
Q.A.	W. ZHANG	01/16/20

E & E Magnetic Products Ltd.

DRAWING NO./MODEL: A35V00137F

REV: 02

SCALE: DO NOT SCALE

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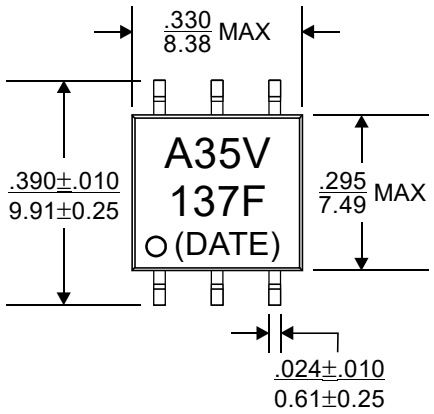

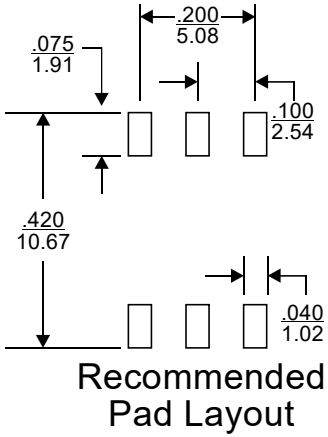

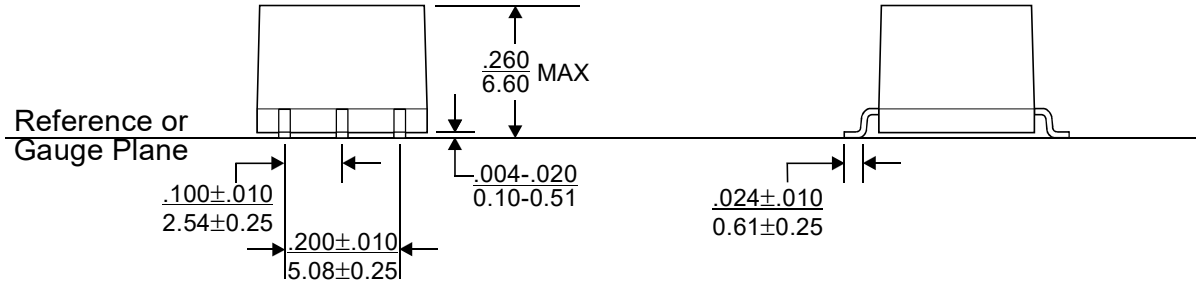

1. Dimensions are specified in $\frac{\text{inches}}{\text{mm}}$ with higher precedence in mm.
2. Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$.
3. Coplanarity: $\frac{.004}{0.10}$ max.
4. "(DATE)" includes at least the manufacturing date code(in YYWW format).

MECHANICAL OUTLINE

E & E Magnetic Products Ltd.

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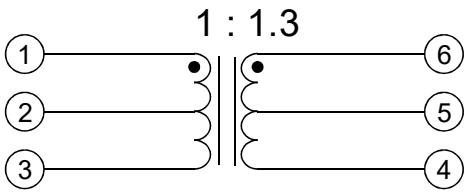

SCHEMATIC

ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMITS
Turns Ratio (6-4):(1-3)	-	1.3 : 1
Polarity	-	Per Schematic
Inductance, Ls(1-3) @10KHz, 0.1Vrms	uH	475 Min
DCR(1-3) @20°C	Ω	0.39 Max
DCR(6-4) @20°C	Ω	0.45 Max
Hipot, 1 minute	VAC	1000 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. The part is designed to be compliant with AEC-Q200
9. 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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