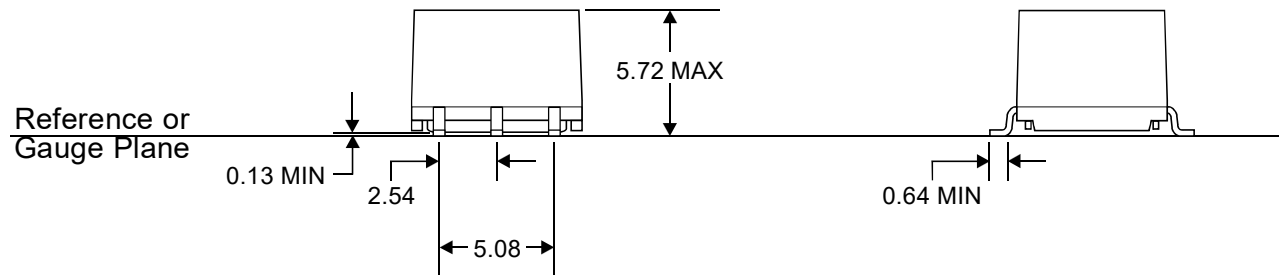
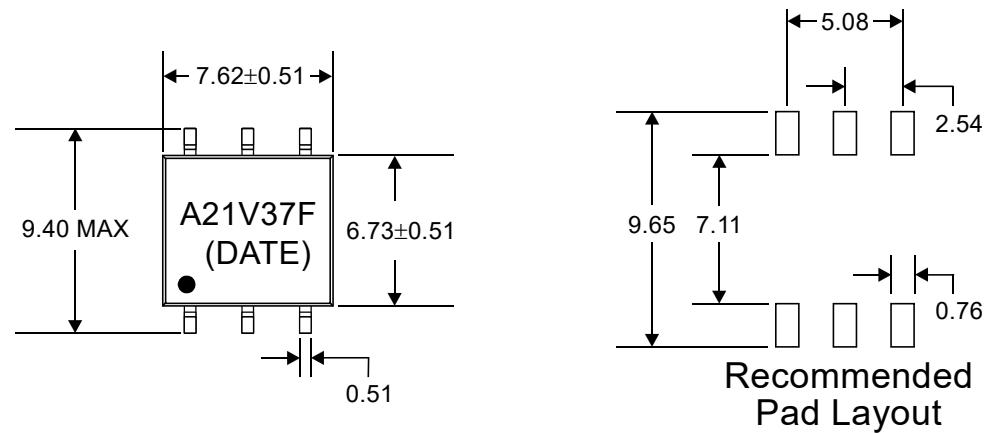


		REVISIONS			
		REV.	DESCRIPTION	ECN NO.	DATE
Special Characteristic Symbols		Pre-01	FIRST RELEASE	N/A	02/12/25
	SAFETY				
	CRITICAL				
	IMPORTANT				

Automotive
Application

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

PART NUMBER		PART DESCRIPTION		TITLE			
A21V00037F		RoHS compliant per EU Directive 2015/863/EU		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.		E & E Magnetic Products Ltd.			
				DRAWING NO./MODEL			
		APPROVALS		DATE		REV	
		DRAWN BY		02/12/25		A21V00037F	
		PROJ. ENG		02/12/25		Pre-01	
		APPROVED BY		02/12/25			
Q.A.		02/12/25					
TOLERANCE ARE:							
INCHmmANGLE							
.XXX ± .005.XX ± 0.13X.X ± 0.3							
.XX ± .02.X ± 0.5X. ± 1							



1. Dimensions are specified in mm.
2. Unless otherwise specified, all tolerances are ± 0.25 .
3. Coplanarity: 0.10 max.
4. "(DATE)" includes at least the manufacturing date code(in YYWW format).

MECHANICAL OUTLINE



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SCALE

DO NOT SCALE

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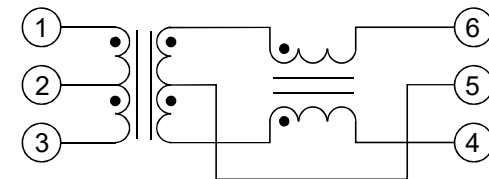
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3

ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMIT
Turns Ratio	-	1CT:1CT $\pm$ 2%
Polarity	-	Per Schematic
OCL @100KHz, 0.1Vrms (-40°C~+125°C)	μ H	150 - 450
LL @100KHz	μ H	0.5 Max
Insertion Loss @4MHz	dB	0.25 Max
Return Loss @4MHz (100 Ω)	dB	20 Min
CMRR @1-10MHz	dB	35 Min
CMRR @10-1000MHz	dB	20 Min
DCR(Transformer Side)	Ω	0.45 Max
DCR(CM Choke Side)	Ω	0.85 Max
Insulation Resistance	M Ω	400 Min
Isolation, 60 seconds, 1mA maximum of leakage current	VDC	4300 Min

5. Operating temperature: -40°C to +125°C.
6. Designed to be compliant with AEC-Q200.
7. Design construction: functional insulation.
8. Creepage distance > 5mm.
9. Working voltage is 1000VDC.



SCHEMATIC



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