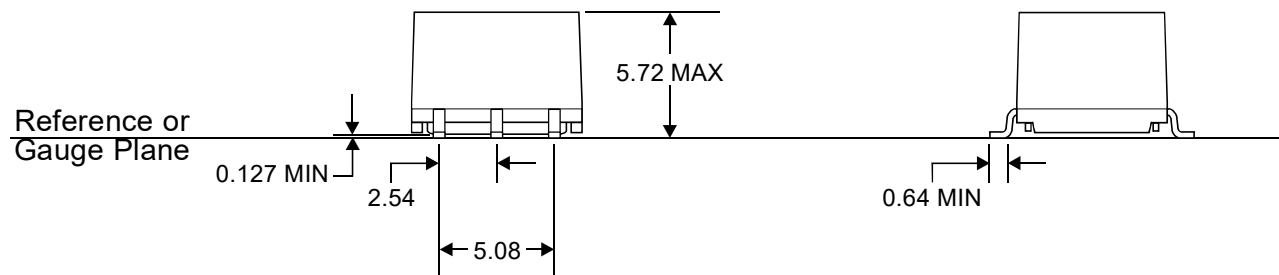
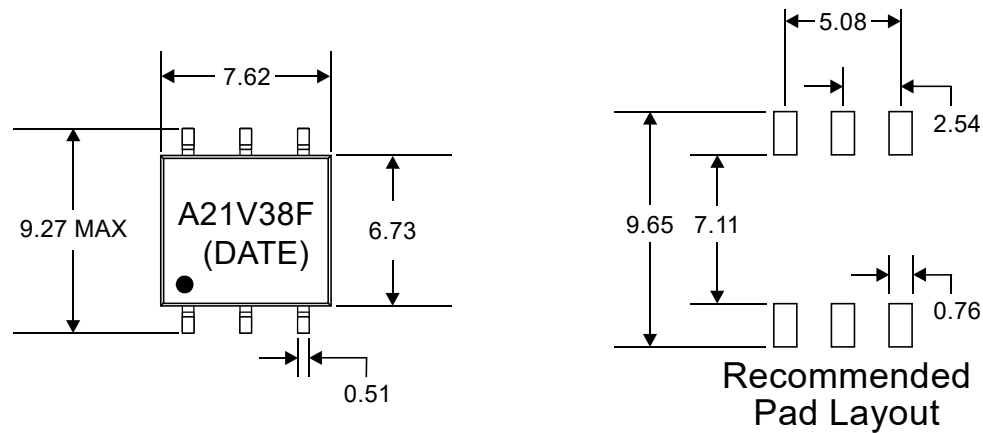


		REVISIONS			
		REV.	DESCRIPTION	ECN NO.	DATE
Special Characteristic Symbols		Pre-01	FIRST RELEASE	N/A	02/12/25
	SAFETY				
	CRITICAL				
	IMPORTANT				

Automotive
Application

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

PART NUMBER		PART DESCRIPTION		TITLE	
A21V00038F		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	
		DRAWN BY		REV	
		S.H. YAO		02/12/25	
		PROJ. ENG		A21V00038F	
S.H. YAO		02/12/25			
APPROVED BY		Pre-01			
D. YUNG		02/12/25			
Q.A.		SCALE			
W. ZHANG		DO NOT SCALE			
		PAGE 1 OF 3			



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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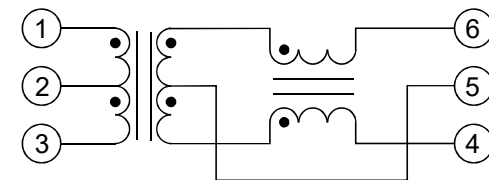
OF

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
Insertion Loss @4MHz	dB	-0.25 Max
Return Loss @4MHz (100 Ω)	dB	-22 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
Isolation	VDC	4300 Min

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



SCHEMATIC



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