



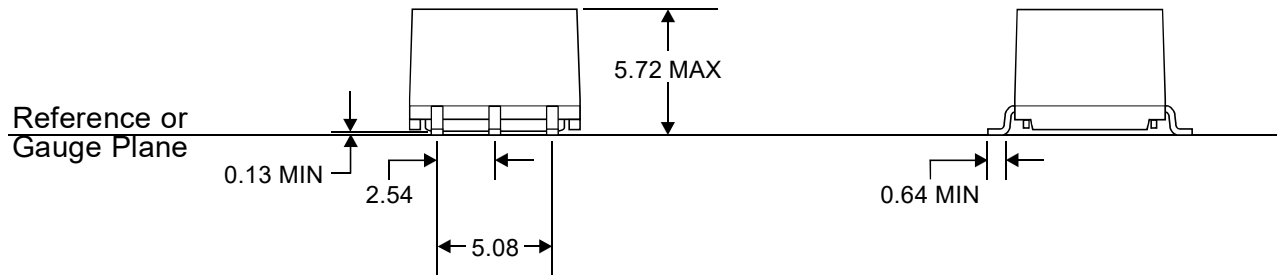
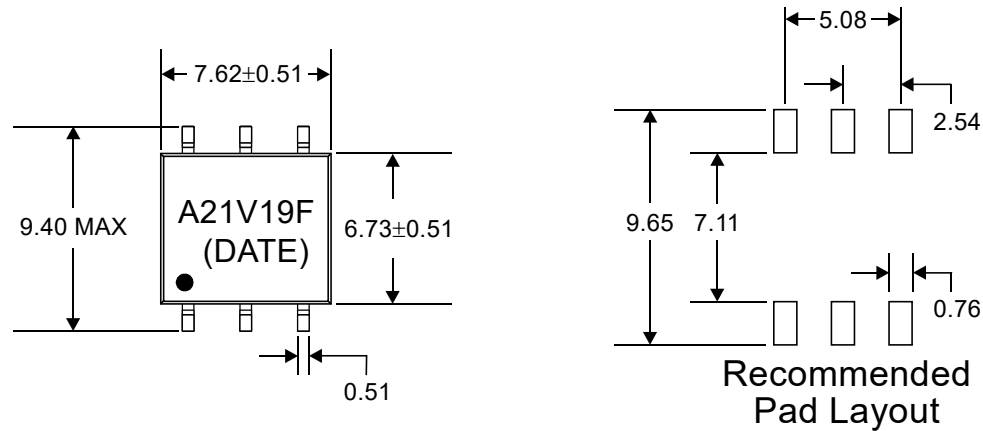


		REVISIONS			
		REV.	DESCRIPTION	ECN NO.	DATE
Special Characteristic Symbols		Pre-01	FIRST RELEASE	N/A	09/21/23
	SAFETY				
	CRITICAL				
	IMPORTANT				

Automotive
Application

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

PART NUMBER		PART DESCRIPTION		TITLE										
A21V00019F		RoHS compliant per EU Directive 2015/863/EU		TRANSFORMER, SMD, 6 PIN										
<p><u>WARNING !</u></p> <p>ALL SHEETS OF THIS DOCUMENT ARE CONTROLLED DOCUMENTATION AND ARE NOT TO BE RELEASED OUTSIDE OF E&E OR ITS SUB-CONTRACTORS WITHOUT AUTHORIZATION.</p>	<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCH/mm.</p> <p><u>TOLERANCE ARE:</u></p> <table border="0"> <tr> <td>INCH</td> <td>mm</td> <td>ANGLE</td> </tr> <tr> <td>.XXX ± .005</td> <td>.XX ± 0.13</td> <td>X.X ± 0.3</td> </tr> <tr> <td>.XX ± .02</td> <td>.X ± 0.5</td> <td>X. ± 1</td> </tr> </table>	INCH	mm	ANGLE	.XXX ± .005	.XX ± 0.13	X.X ± 0.3	.XX ± .02	.X ± 0.5	X. ± 1	APPROVALS	DATE	 E & E Magnetic Products Ltd.	
		INCH	mm	ANGLE										
		.XXX ± .005	.XX ± 0.13	X.X ± 0.3										
		.XX ± .02	.X ± 0.5	X. ± 1										
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PROJ. ENG				DRAWING NO./MODEL	REV									
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Q.A.				SCALE	PAGE OF									
				DO NOT SCALE	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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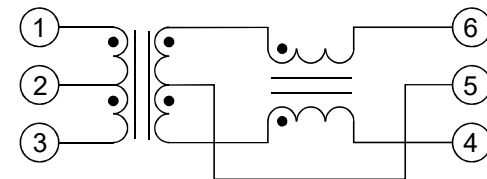
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ELECTRICAL SPECIFICATION @25°C:

PARAMETERS	UNIT	LIMIT
Turns Ratio	-	1CT:1CT ± 2%
Polarity	-	Per Schematic
OCL @100KHz, 0.1Vrms (-40°C~+125°C)	uH	150 - 450
LL @100KHz	uH	0.5 Max
Insertion Loss @4MHz	dB	0.25 Max
Return Loss @4MHz (100Ω)	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	MΩ	400 Min
Isolation, 60 seconds, 1mA maximum of leakage current	VDC	4300 Min



SCHEMATIC

5. Operating temperature: -40°C to +125°C.
6. Designed to be compliant with AEC-Q200.
7. Design construction: functional insulation.
7. Creepage distance > 5mm.
8. Working voltage is 1000VDC for 15 years.



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