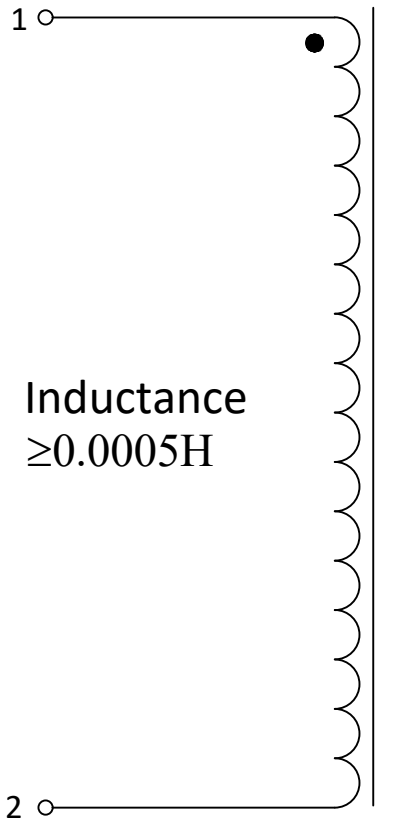

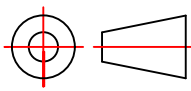


# SCHEMATIC DIAGRAM



● Indicates the starting of Winding

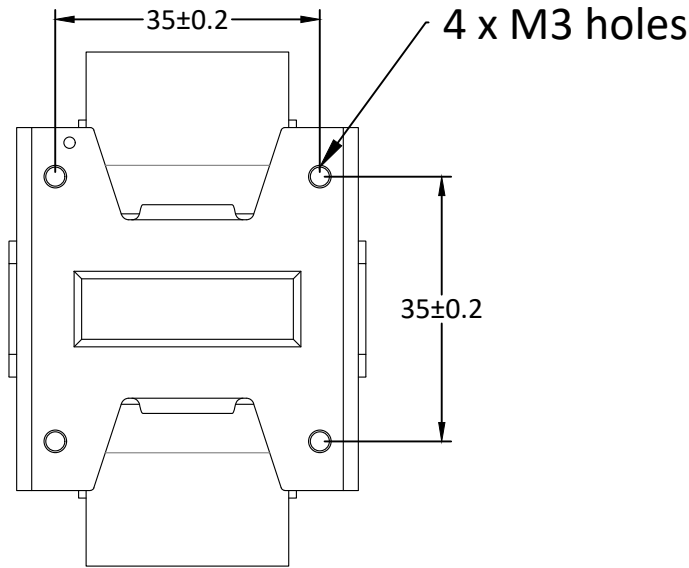
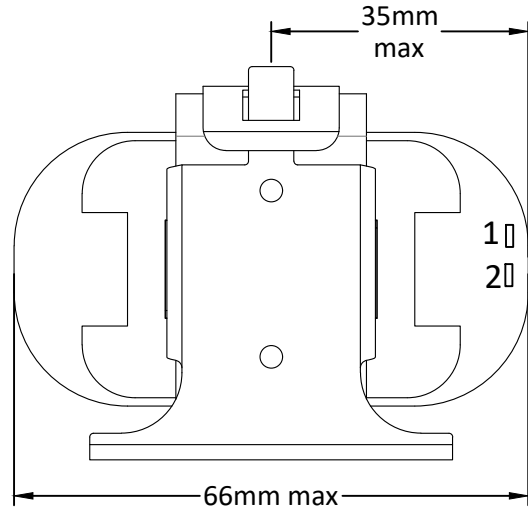
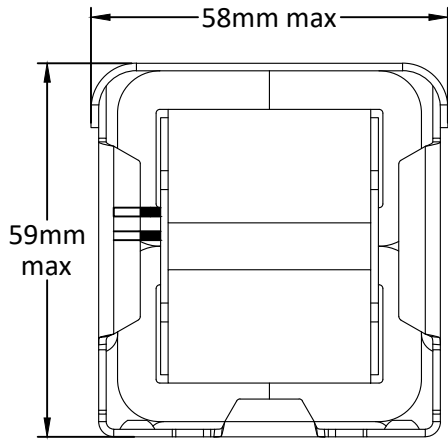
ROHS COMPLIANT

TITLE : Schematic Diagram				PART DESC		
				Power inductor		
				CUSTOMER PART NO	SVM PART CODE	
				-	98056	
				REV	DATE	SHEET
	A		12-07-2023	A	12-07-2023	1 of 3
CH LTR	ALT NO	SIGN	DATE	CHANGES		
				Initial Release		
ALL DIMENSIONS ARE IN mm.			GENERAL TOLERANCE $\pm 0.05$ mm UNLESS OTHERWISE SPECIFIED			
						SCALE : NTS
				DRAWN		SIZE : A4
				CHECKED	APPROVED	
				-	-	

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Deliveries to be only as per the approved sample. Any change in tool (making, replacement) and material only with prior approval.

# MECHANICAL DIMENSION



ROHS COMPLIANT

TITLE : Mechanical Diagram				PART DESC Power inductor		
				CUSTOMER PART NO -		SVM PART CODE 98056
				REV A	DATE 12-07-2023	SHEET 2 of 3
CH LTR	ALT NO	SIGN	DATE	CHANGES		
	A		12-07-2023	Initial Release		
ALL DIMENSIONS ARE IN mm.				GENERAL TOLERANCE $\pm 0.05$ mm UNLESS OTHERWISE SPECIFIED		
						SCALE : NTS
				DRAWN	CHECKED	APPROVED

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# ELECTRICAL SPECIFICATION


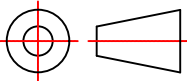
1. Inductance value	: $\geq 0.0005H$
2. Rated current	: 16.5ADC
3. Limiting value of AC voltage	: 0.25VAC, 400Hz
4. Limiting value of frequency	: 1000Hz
5. D.C resistance at 20°C	: $0.017\Omega \pm 20\%$
6. Weight	: 550gram
7. Dielectric strength between winding & body	: 2000V, 50Hz
8. Insulation resistance between body & winding	: $\geq 1000M\Omega$ at 500VDC
9. Temperature rise	: $\leq 55^\circ C$
10. Part no	: L56.0.0005.16.5 (Equivalent to Russian inductor JI56.0.0005.16.5)

## ENVIRONMENTAL TESTS :

**The inductor will meet thermal & humidity requirements.**

1. High operating temperature of medium	: $85^\circ \pm 2^\circ C$
2. Low operating temperature of medium	: $-60^\circ C$
3. Temperature variation of medium	: $-60^\circ C$ to $+85^\circ C$
4. High relative humidity at temperature of medium 25°C	: 98+0/-5%

ROHS COMPLIANT

TITLE : Electrical Specification				PART DESC		
				Power inductor		
				CUSTOMER PART NO		SVM PART CODE
						98056
				REV	DATE	SHEET
				A	12-07-2023	3 of 3
CH LTR	ALT NO	SIGN	DATE	CHANGES		
	A		12-07-2023	Initial Release		
ALL DIMENSIONS ARE IN mm.				GENERAL TOLERANCE $\pm 0.05$ mm UNLESS OTHERWISE SPECIFIED		
						SCALE : NTS
						SIZE : A4
				DRAWN	CHECKED	APPROVED
				-	-	-

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