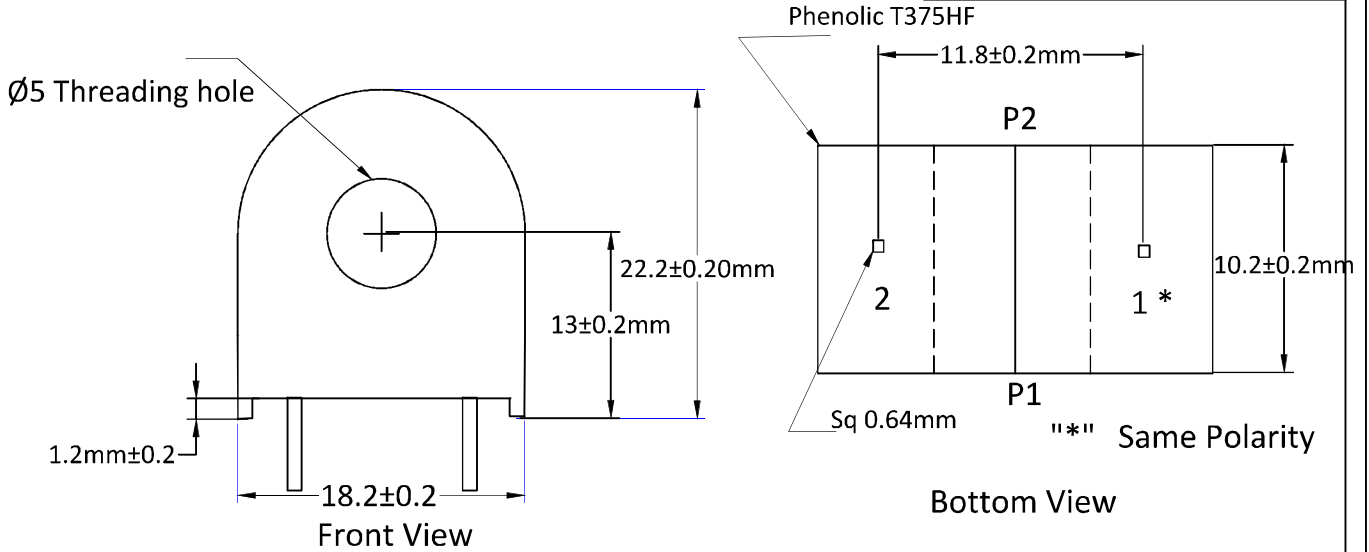


Mechanical Parameters



Technical parameters	
Model	SVMCT1005
Input current	0-5A(50Ω)
Rated output current	5mA at input 5A
Turns ratio	1000:1
accuracy class	0.2
Linearity	$\leq 0.2\%$
Isolation voltage	4500V
Application	Precise measurement of current and power
Encapsulation	Epoxy
Installation	PCB mounting (Pin Length>3mm)
Operating temperature	-40°C+85°C

Small size,high accuracy, good consistency, for current and power measurement

All materials will comply with RoHS 2 directive 2011/65/EU

**At the end of life cycle of product, it is considered to be an E-waste. It has to be scrapped at Government Authorized Scrap Agency or place.

ROHS COMPLIANT

ALL DIMENSIONS ARE IN mm. GENERAL TOLERANCES FOR METRIC DIMENSIONS WHERE NOT SPECIFIED									
DECIMAL DIMENSIONS				DIMENSIONS OTHER THAN DECIMAL					
1 PLACES	2 PLACES	3 PLACES	ANGLES	0-6	7-30	31-120	121-315	316-1000	1001-2000
± 0.1	± 0.02	± 0.005	$\pm 2^\circ$	± 0.1	± 0.2	± 0.3	± 0.6	± 0.8	± 1.2

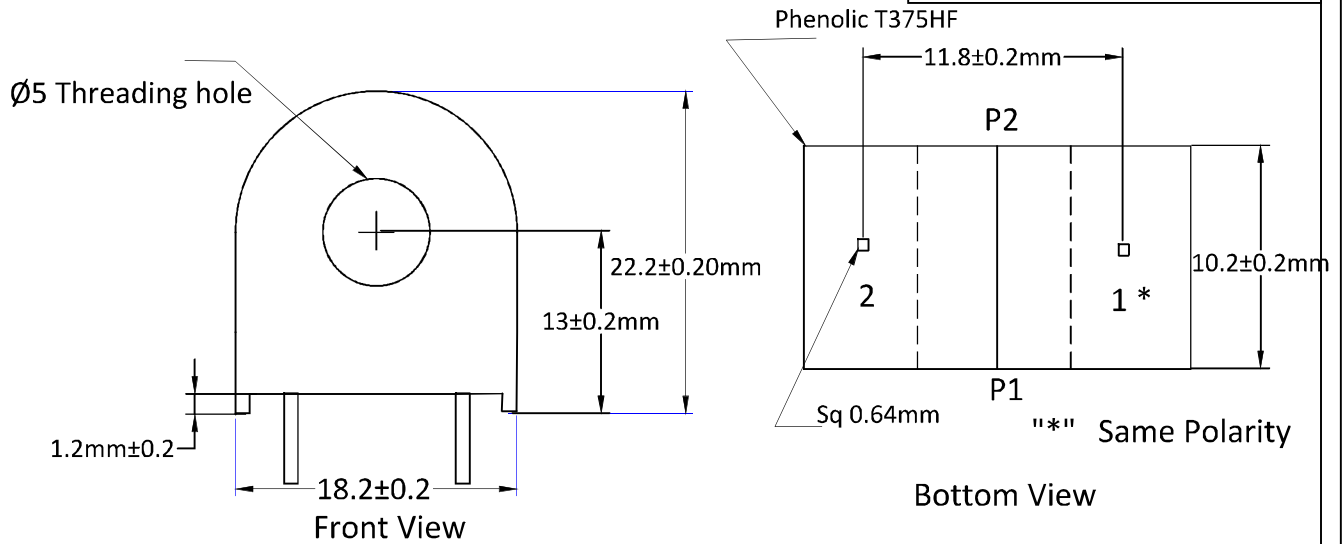
TITLE : Specification				PART DESC			
				5 Amps Current Transformer			
				CUSTOMER PART NO		SVM PART CODE	
				REV		DATE	
				A		18-Feb-2022	
				SHEET 2 of 3			
CH LTR	ALT NO	SIGN	DATE	CHANGES			
			18-Feb-2022	Initial Releasing			
ALL DIMENSIONS ARE IN mm.			GENERAL TOLERANCE $\pm 0.05 \text{ mm}$ UNLESS OTHERWISE SPECIFIED				
				DRAWN		CHECKED	
				P.Vigneshwaran		P.Mohanasundram	
				APPROVED		P.Dinesh	



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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 Parameters



Technical parameters	
Model	SVMCT1010
Input current	0-10A(50Ω)
Rated output current	10mA at input 10A
Turns ratio	1000:1
accuracy class	0.2
Linearity	≤0.2%
Isolation voltage	4500V
Application	Precise measurement of current and power
Encapsulation	Epoxy
Installation	PCB mounting (Pin Length>3mm)
Operating temperature	-40°C~+85°C

Small size,high accuracy, good consistency, for current and power measurement

All materials will comply with RoHS 2 directive 2011/65/EU

**At the end of life cycle of product, it is considered to be an E-waste. It has to be scraped at Government Authorized Scrap Agency or place.

ROHS COMPLIANT

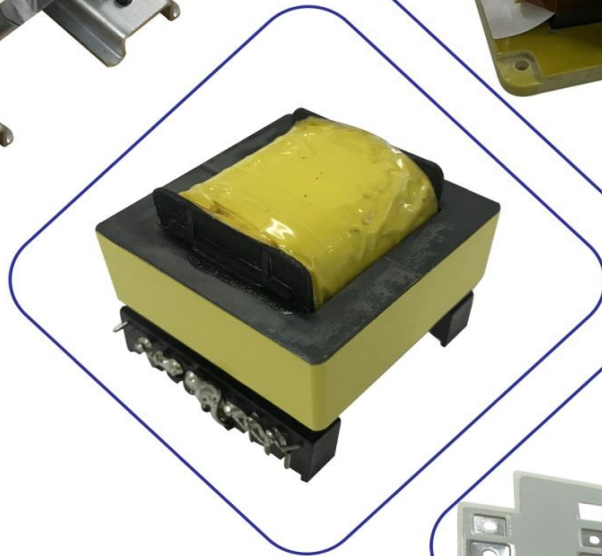
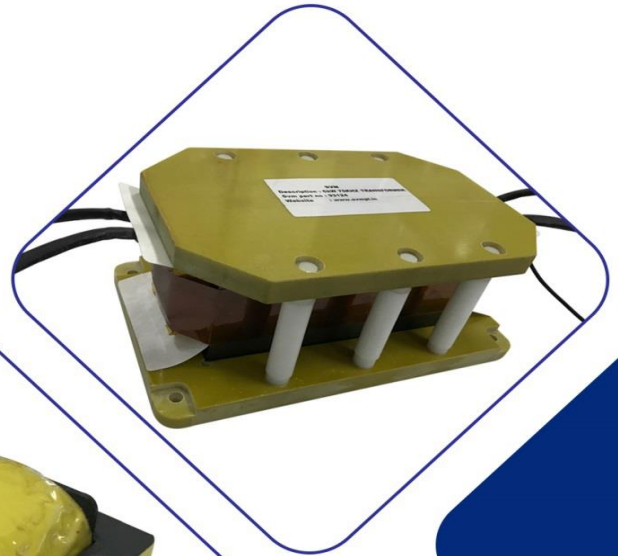
ALL DIMENSIONS ARE IN mm. GENERAL TOLERANCES FOR METRIC DIMENSIONS WHERE NOT SPECIFIED

DECIMAL DIMENSIONS				DIMENSIONS OTHER THAN DECIMAL					
1 PLACES	2 PLACES	3 PLACES	ANGLES	0-6	7-30	31-120	121-315	316-1000	1001-2000
±0.1	±0.02	±0.005	±2°	±0.1	±0.2	±0.3	±0.6	±0.8	±1.2

TITLE : Specification				PART DESC					
				10 Amps Current Transformer					
				CUSTOMER PART NO			SVM PART CODE		
				REV		DATE		SHEET	
A				A		18-Feb-2022		2 of 3	
Initial Releasing									
CH LTR	ALT NO	SIGN	DATE	CHANGES					
ALL DIMENSIONS ARE IN mm.				GENERAL TOLERANCE ±0.05 mm UNLESS OTHERWISE SPECIFIED					
				DRAWN		CHECKED		APPROVED	
				P.Vigneshwaran		P.Mohanasundram		P.Dinesh	

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Smart Solutions For Your Critical Magnetics

About SVM:

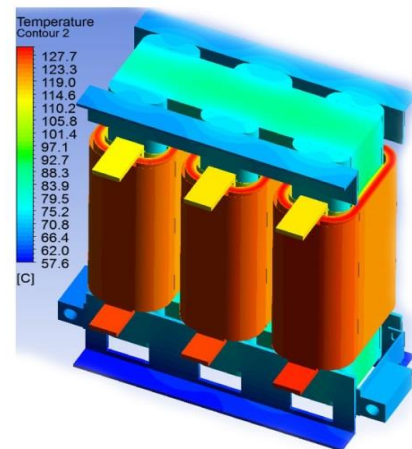
- ✦ Established in 1989, 30 years old company experienced in Design, Develop and Manufacture of Coils and Transformers for both High Frequency and Low frequency applications.
- ✦ SVM has the state of art manufacturing facilities to meet varied customer needs supported by well experienced Design and Manufacturing teams with strong vertical integration.
- ✦ Largest manufacturer of coils and transformers in India from low, mid to high volume. Capacity in excess of 10 Million numbers per Month.
- ✦ Product Application support, Rapid product development and sample delivery.
- ✦ Serving its customers across various fields from Power, Lighting, Medical electronics, Electric Vehicle, Automobile, Communications and other Electronic applications.

Design Solution:

- ✦ The Team at SVM can Engineer your ideas and convert them into End Use Components
- ✦ Design and Manufacture a wide range of Custom Magnetics for Various Application to meet Lower Leakage Inductance, Low Capacitance & High dielectric with stand voltage.
- ✦ Expertise in MATLAB, FEMM Modelling and Thermal Simulation of Magnetic components
- ✦ Vast Knowledge Base - Engineers with 20 Years of average Experience handled more than 300 critical Projects

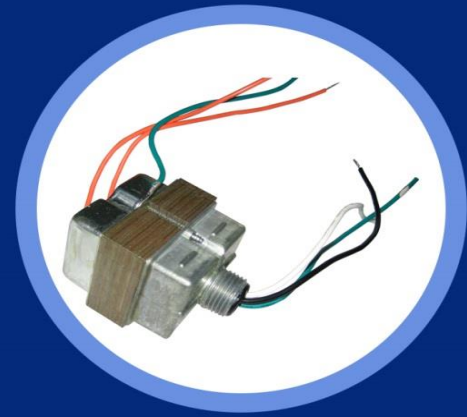
Product Line of Magnetic components includes:

- ✦ High Frequency Transformers (High Voltage and Low Voltage)
- ✦ Planar Magnetics
- ✦ Inductors (High frequency High Current, Air core Inductor)
- ✦ Reactors and Water Cooled Inductor,
- ✦ Chokes (EMI/EMC Chokes, CMC, DMC),
- ✦ SMPS Transformers,
- ✦ Linear Power Transformer,
- ✦ Current Transformers (Conventional and Hall Effect Current Transformers),
- ✦ Bus bars (Laminated, Powder Coated and Molded Bus bars)



Vertically Integrated Facility:

- ✦ Design of Bobbins, injection molds, manufacture of Bobbins in Thermoset (Phenolic) and Thermo Plastic materials from conventional to high performance grades.
- ✦ In house Litz Wire Manufacturing Facility - both Round Litz and Rectangular Type 8 litz for captive consumption
- ✦ In house tool room for Precision machining of plastics and metals for rigid mounting.
- ✦ In house Lamination Stamping and Sheet metal fabrication to meet custom design of magnetics
- ✦ Design and manufacture of packaging materials to meet customer specific packaging requirements to suit transport through road or air or ocean



Manufacturing Facility:

- ★ Multi spindle CNC Winding Machines
- ★ Automatic Test equipment's (ATE)
- ★ Copper Foil Winding Machines
- ★ Vacuum Impregnation plant
- ★ Automatic Pressure Gelation Machine (Resin casting)

Test Facility:

- ★ Partial Discharge Test up to 100kV AC
- ★ Load Test up to 50kVA (50HZ operating frequency)
- ★ Dielectric Strength Test both AC and DC
- ★ Precision LCR Magnetic Analyzer for measuring Inductance, Impedance, Capacitance, and AC Resistance
- ★ DC Bias Test up for Inductors
- ★ Temperature Data Logger

Quality:

- ★ SVM is an ISO 9001:2015, ISO 14001:2015 Certified Organization
- ★ SVM Pvt Ltd is committed to provide its Customers Right Quality Products, On-time delivery and ever improving levels of Satisfaction through "Continual improvement"

UL File No: E251904

- ★ Class 130 (B) coil and transformer insulation systems designated CIS.04, SIS-130
- ★ Class 155 (F) electrical insulation systems designated SIS-155- 1

Safety and Regulatory Standards

- ★ IEC 60601-1, UL 60601, ES 60601-1:2005
- ★ IEC 61558-2- 13, IEC 61558-2- 4
- ★ UL 5085-1, UL5085-2

Reliability Standards

- ★ IEC62211 Level B (Vibration test, Drop test, Humidity test, Solder-ability test, Temperature cycle test, Continuous Vibration test)
- ★ Meets ROHS, REACH, Packaging Regulations, 3TG-Conflict Minerals Compliance Requirements
- ★ SVM is the registered member in BOMcheck for Regulatory Compliance Declarations



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