

SPECIFICATION FOR APPROVAL

CUSTOMER	
CUSTOMER P/N	
DESCRIPTION/SPEC	EE6-CT100:1
EDITION	A
DATE	2025-3-28

CUSTOMER APPROVAL		
APPROVED	CHECKED	DESIGN

FENFA APPROVAL		
APPROVED	CHECKED	DESIGN
马德邦	石启明	马雪莹



奮發電子有限公司	奮發電子（東莞）有限公司 FENFA ELECTRONICS (DONGGUAN) CO., LTD
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CUSTOMER			
PART NAME		PART NO.	
DESCRIPTION		FENFA NO.	EE6-CT100:1
<p>■Application This Specification applied to part number LINE FILTER S/W power supply for use in electronic appliances which is supplied for Arcelik.</p> <p>■General Reference The re-inspection & re-approval is required to change the structure, quality, progress of this Specification.</p> <p>■Absolute Regularity 1)Storage temperature : -20℃ - 80℃ 2)Storage humidity : 20% - 90% 3)Operation temperature : -40℃ - 120℃ 4)Operation humidity : 20% - 85%</p> <p>■Mechanical Characteristics 1)Terminal Tension Intensity After fix the body, the terminal shall withstand for 5 seconds without losing when a static load of 2.0KG is applied to drawing direction of the terminal.</p> <p>2)Terminal Bend Intensity The terminal shall withstand without losing and shortage when return after bend 1 time to left side and 1 time right side with a static load.</p> <p>3)Vibration Test After fix a body of the vibration board, the terminal shall withstand without losing and bend when operate vibration test 3 direction (X,Y,Z) for 2 hours. - Frequency: 10 -55 - Amplitude: 0.75</p>			
SIGN	Designed By	Checked By	Approved By
	马雪莹	石启明	马德邦
	28-Mar-25	28-Mar-25	28-Mar-25
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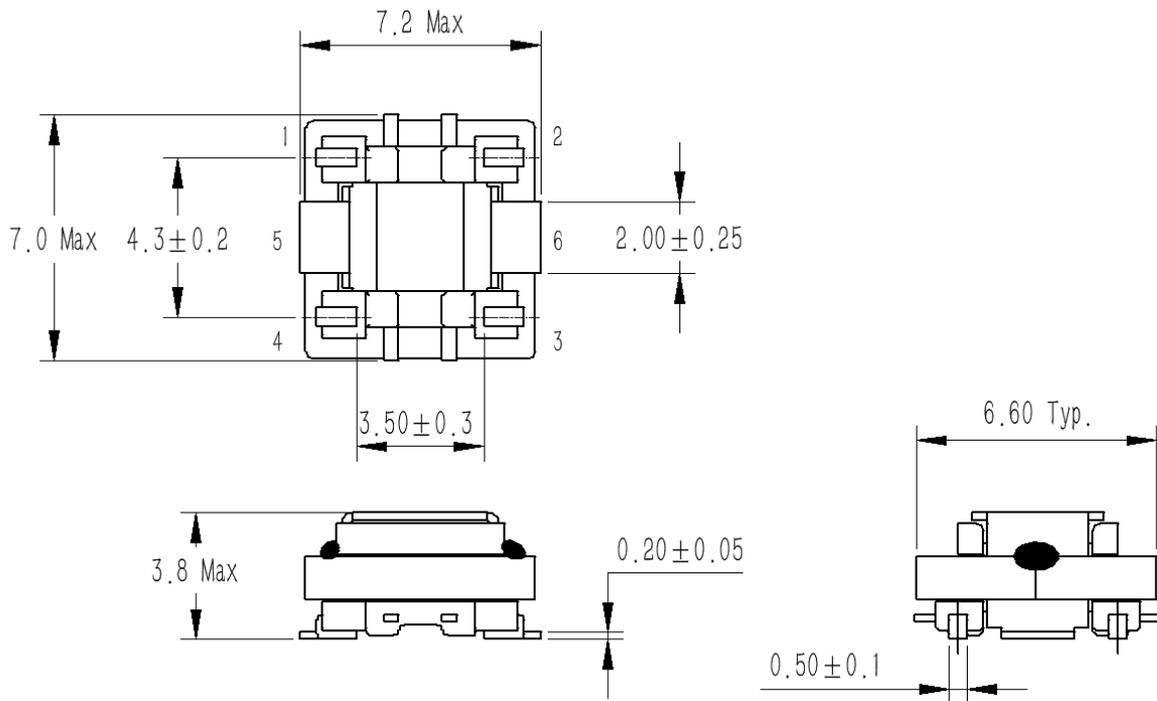
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DESCRIPTION		FENFA NO.	EE6-CT100:1
<h1>CONTENTS</h1> <ol style="list-style-type: none"> 1. Dimension (Unit: mm) 2. Electrical Diagram (Bottom view) 3. Winding Specifications 4. Electrical Characteristics 5. List of Materials 			
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1. DIMENSION (Unit: mm)



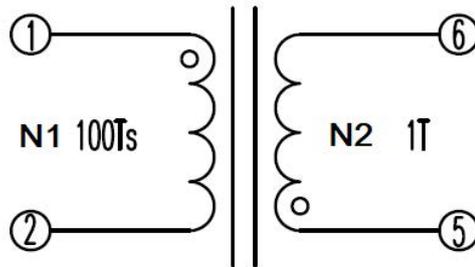
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2. Electrical Diagram (Bottom View)



3. Winding Specifications

#	Terminal		Wire Gauge & Turn		Winding Method
	1	2			
1	1	2	$\Phi 0.07\text{mm}$, P180, G2	100Ts	Machine
2	5	6	$\delta=0.20\text{mm}$ 铜带	1T	Machine

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4. Electrical Characteristics					
#	Item	Terminal	Standard	Tolerance	Condition
1	Inductance	N1 (1-2)	800uH	MIN	LCR-METER HP-6630 25°C at 1KHz/0.3V
2	DC Resistance	N1 (1-2)	9.6Ω	MAX	502BC at 25°C
3	DC Resistance	N2 (5-6)	0.5mΩ	MAX	502BC at 25°C
4	HI-POT	N1-N2	DC300V, 5mA/10 second		CC2670A
5	Turns Ratio	N1:N2	100:1	±0.3	20KHz/1V
6	Rated Current	N1	20A		
* All materials are compliant with RoHS					
* Insulation Class "B"					
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5. List of Materials				
#	Item	Material	Manufacture	UL No.
1	Core	P41 EE6	ACME ELECTRONICS CORPORATION OR EQUIVALENT	-
2	Wire	MW-82C OR MW-79C	ELECTRISOLA OR EQUIVALENT	E258243
3	Skeleton	PM9630 or LCP	SUMITOMO CORPORATION	E41429
4	Epoxy Bond	G-500	Emerson & Cuming or Equivalent	-
5	Solder	T100H	DONGGUAN CITY THOUSAND ISLAND METAL FOIL CO. LTD. OR EQUIVALENT	-
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CAUTIONS AND WARNINGS:

When Fenfa's products are used outside the general electronic equipment, such as vehicle mounted, medical, military, aviation, aerospace and other environments, please contact the company's business department and put forward a request. Otherwise, the company will not bear any relevant responsibility for the machine failure caused by the use beyond the scope recommended by the company.

PCB washing: Fenfa'product marking is capatible with pure water or alcohol only.

奮發產品推荐使用范围：影音, 家電, 辦公自動化, 通訊, 電源模塊, LED照明, 測量設備, 機械工具等一般電子設備中。當本公司產品使用在一般電子設備以外, 如: 車載, 醫療, 軍用, 航空, 航天等环境时, 請必須聯繫本公司營業部門并提出述求, 否則超出本公司推薦的使用范围而引起的機器故障, 本公司不承擔任何相關責任。

印字： 我司产品上印字只适用于纯水或者酒精作为清洗剂。