SPECIFICATION FOR APPROVAL

CUSTOMER _____

MODEL NO. _____

PART NO. EP1032SR

MODEL NAME Power Transformer

DATE 2022/2/25

APPROVED SIGNATURES		

United-tek

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Model NO.		Model Name	Power TRANSFORMER
Part NO.	EP1032SR	SIZE	EP-10 SMD Total 8PIN

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Model NO.		Model Name	Power TRANSFORMER
Part NO.	EP1032SR	SIZE	EP-10 SMD Total 8PIN

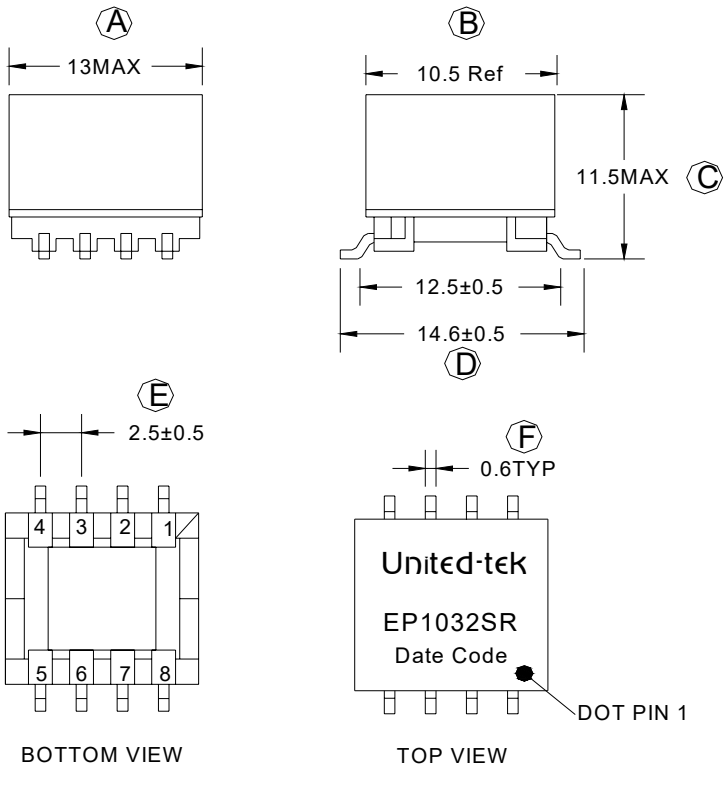
Specification and Dimension

lectrical characteristic:

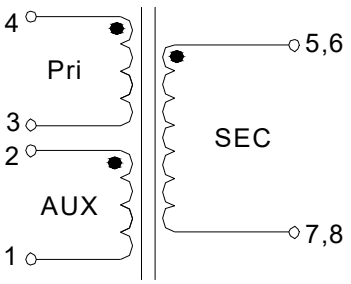
	Item	Test Pin	Specifications	Short Pins	Testing Codition	Instruments
1	Inductance	3-4	100 uH ±10%		10KHz/0.1V/SER	WK-3260B
2	Leakage Inductance	3-4	2.1 uH MAX	3-4;5-6-7-8	100KHz/0.1V	WK-3260B
3	Turn Ratio	3-4:2-1	3:1±3%		10KHz/0.1V	WK-3260B
		3-4:6-7	1:1±3%	5-6,7-8		
4	HI-POT	Pri-Sec	1500VAC/60Hz	5,6-7,8	1Seconds/0.5mA	Zentech 9052
5	D.C. Resistance	3-4	325mΩ MAX		AT25° C	WK-3260B
		2-1	385 mΩ MAX			
		5-8	480 mΩ MAX	5,6-7,8		

Dimension(Unit:mm)

Mechanical



Schematic



Model NO.		Model Name	Power TRANSFORMER
Part NO.	EP1032SR	SIZE	EP-10 SMD Total 8PIN

Test Report

Amount: 10 PCS

Electrical characteristic:

	Item	Test Pin	Specifications	1	2	3	4	5	6	7	8	9	10
1	Inductance	3-4	100 uH ±10%										
2	Leakage Inductance	3-4	2.1 uH MAX										
3	Turn Ratio	3-4:2-1	3:1±3%										
		3-4:6-7	1:1±3%										
4	HI-POT	Pri-Sec	1500VAC/60Hz										
5	D.C. Resistance	3-4	325 mΩ MAX										
		2-1	385 mΩ MAX										
		5-8	480 mΩ MAX										

Production Drawing:

	Item	Specificatio	1	2	3	4	5	6	7	8	9	10
1	A	13 MAX										
2	B	10.5 Ref										
3	C	11.5MAX										
4	D	14.6±0.5										
5	E	2.5±0.5										
6	F	0.6Typ										

1. TEST INSTRUMENTS :
   CH – 1061 : Digital LCZ Meter
   CH - CDC-301 : Current Source & D.C. Resistance Meter
   WK-3260B : Wayne Kerr Precision Magnetics Analyzer
   ATS-1 : Access Audio Test System
   ZENTECH 9052 : Programmable Auto Safety Tester
2. TEST CONDITION :
   TEMPERATURE : 25 ° C
   RELATIVE HUMIDITY : 65%
3. TEST DIMENSIO N :
   CD-6” CS : Mitutoyo corp.

Approved by:	Checked by:	Reported by:

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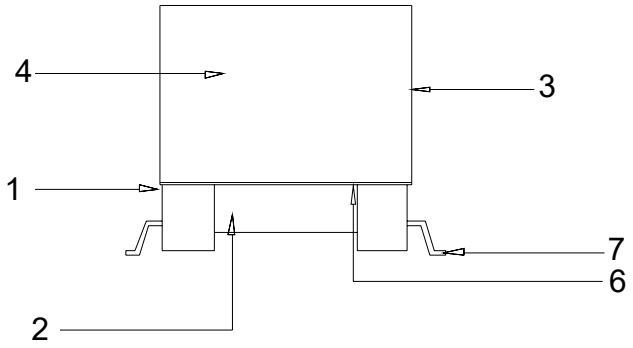
Material Certificate List



ITEM		MATERIAL	RATING	TYPE	MANUFACTURER	UL NO.
1	BOBBIN	PHENOLIC	94–V 0	PM-9630	SUMITOMO CHEMICAL CO., LTD	E41429
2	WIRE	COPPER WIRE	180℃	UEW-H	HOI LUEN ELECTRICAL MFR CO LTD OR EQUICALENT	E164409
3	TAPE	POLYESTER FILM	130℃	#1350F-1(b)	3M ELECTRICAL PRODUCTS DIVISION	E17385
4	CORE	FERRITE CORE		P4	ACME OR EQUIVALENT	N/A
5	MARKING	INK		170	MARABUWERKE GMBH & CO.,LTD.	N/A
6	EPOXY	EPOXY		S9001-6G	WELLS ELECTRONIC MATERIAL(GUANGZHOU) CO.,LTD	N/A
7	TERMINAL	PHOSPHOR BRONZE TIN		C5191	WELL FORE SPECIAL WIRE CORPORATION	N/A