

SPECIFICATION FOR APPROVAL

CUSTOMER _____

MODEL NO. _____ CFEP13-5V

PART NO. _____ POE13P-50L

MODEL NAME _____ Power Transformer

DATE _____ 2016-3-16

APPROVED SIGNATURES		

Model NO.	CFEP13-5V	Model Name	Power TRANSFORMER
Part NO.	POE13P-50L	SIZE	EP-13 SMD Total 10PIN

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Part NO.	POE13P-50L	SIZE	EP-13 SMD Total 10PIN

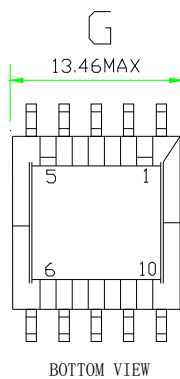
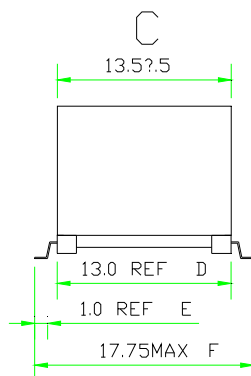
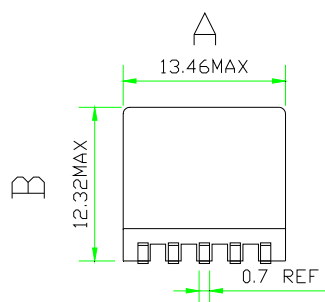
Specification and Dimension

Electrical characteristic:

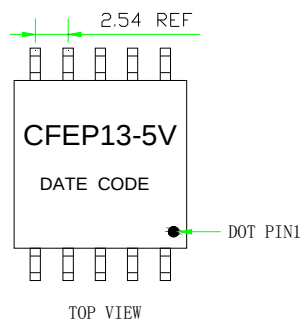
	Item	Test Pin	Specifications	Short Pins	Testing Codition	Instruments
1	Inductance	3-4	127uH $\pm 10\%$		250KHz/0.1V/SER	WK-3260B
2	Leakage Inductance	3-4	0.65uH MAX	7-8-9-10	250KHz/0.1V	WK-3260B
3	Turn Ratio	3-4:2-1	1:0.5 $\pm 3\%$		10KHz/0.1V	WK-3260B
		3-4:7,8-9,10	1:0.25 $\pm 3\%$	7-8,9-10		
4	HI-POT	Pri-Sec	1500VAC/60Hz	7-8,9-10	1Seconds/0.5mA	Zentech 9052
5	D.C. Resistance	3-4	222m Ω MAX		AT25° C	HK-502BC
		2-1	348m Ω MAX			
		7,8-9,10	39m Ω MAX			

Dimension(Unit:mm)

Mechanical

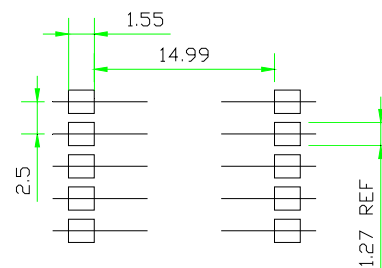
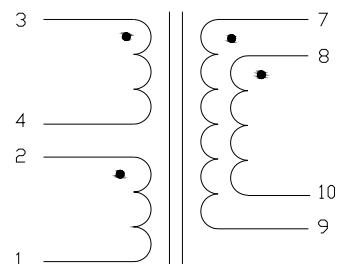


BOTTOM VIEW



TOP VIEW

Schematic



Terminal Dimensions
Customer determine PCB pad dimensions

Model NO.	CFEP13-5V	Model Name	Power TRANSFORMER
Part NO.	POE13P-50L	SIZE	EP-13 SMD Total 10PIN

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	127uH $\pm$ 10%	126	128	124	122	120	124	122	120	124	123
2	Leakage Inductance	3-4	0.65uH MAX	0.58	0.55	0.57	0.58	0.55	0.57	0.53	0.55	0.58	0.56
3	Turn Ratio	3-4:2-1	1:0.5 $\pm$ 3%	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.
		3-4:7,8-9,10	1:0.25 $\pm$ 3%	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.
4	HI-POT	Pri-Sec	1500VAC/60Hz	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.	O.K.
5	D.C. Resistance	3-4	222m Ω MAX	195	197	199	195	195	197	195	193	199	195
		2-1	348m Ω MAX	294	294	298	298	294	297	298	294	299	298
		7,8-9,10	65m Ω MAX	32	33	32	33	32	32	33	32	33	32

Production Drawing:

	Item	Specificatio	1	2	3	4	5	6	7	8	9	10
1	A	13.46MAX	12.88	12.85	12.84	12.83	12.85	12.85	12.83	12.84	12.88	12.85
2	B	12.32 MAX	12.28	12.23	12.24	12.28	12.23	12.28	12.28	12.24	12.23	12.27
3	C	13.5 $\pm$ 0.5	13.74	13.79	13.77	13.72	13.76	13.74	13.78	13.76	13.73	13.76
4	D	13.0 REF	13.62	13.60	13.65	13.67	13.63	13.65	13.67	13.62	13.65	13.66
5	E	1.0 REF	0.97	0.98	0.97	0.95	0.98	0.97	0.95	0.97	0.98	0.97
6	F	17 $\pm$ 0.5	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6

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 :

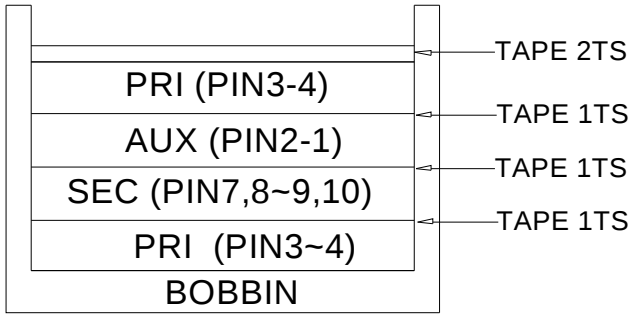
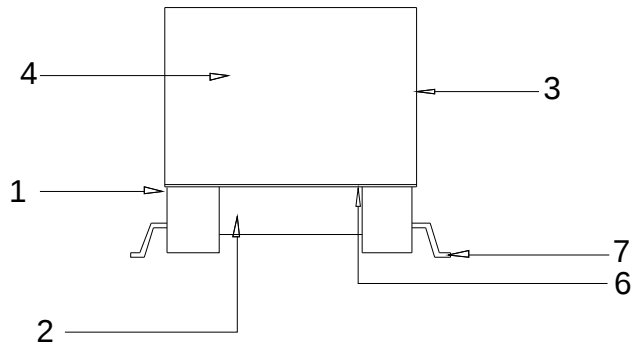
CD-6" CS : Mitutoyo corp.

Approved by:

Checked by:

Reported by:

Model NO.	CFEP13-5V	Model Name	Power TRANSFORMER
Part NO.	POE13P-50L	SIZE	EP-13 SMD Total 10PIN

Construction & Winding Method	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 EQUIVALENT	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