

SPECIFICATION FOR APPROVAL

CUSTOMER :	ATOP
DESCRIPTION :	TRANSFORMER
CUSTOMER'S P/N :	
OUR P/N :	POT3019-001
DATE :	02/02/2018

APPROVED	CHECKED	DESIGNED



INTER OUTSTANDING ELECTRONICS, INC.

COMPANY ADDRESS:

130, YUNG TUNG RD, SEC 2, YUAN SHAN HSIANG, I-LAN HSIEN, TAI WAN, R.O.C.

TEL : 886 – 3 – 9233966

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PLANT ADDRESS:

3RD INDUSTRIAL AREA, JIZHOU SHIJIE TOWN, DONG GUAN CITY, GUANG DONG, CHINA

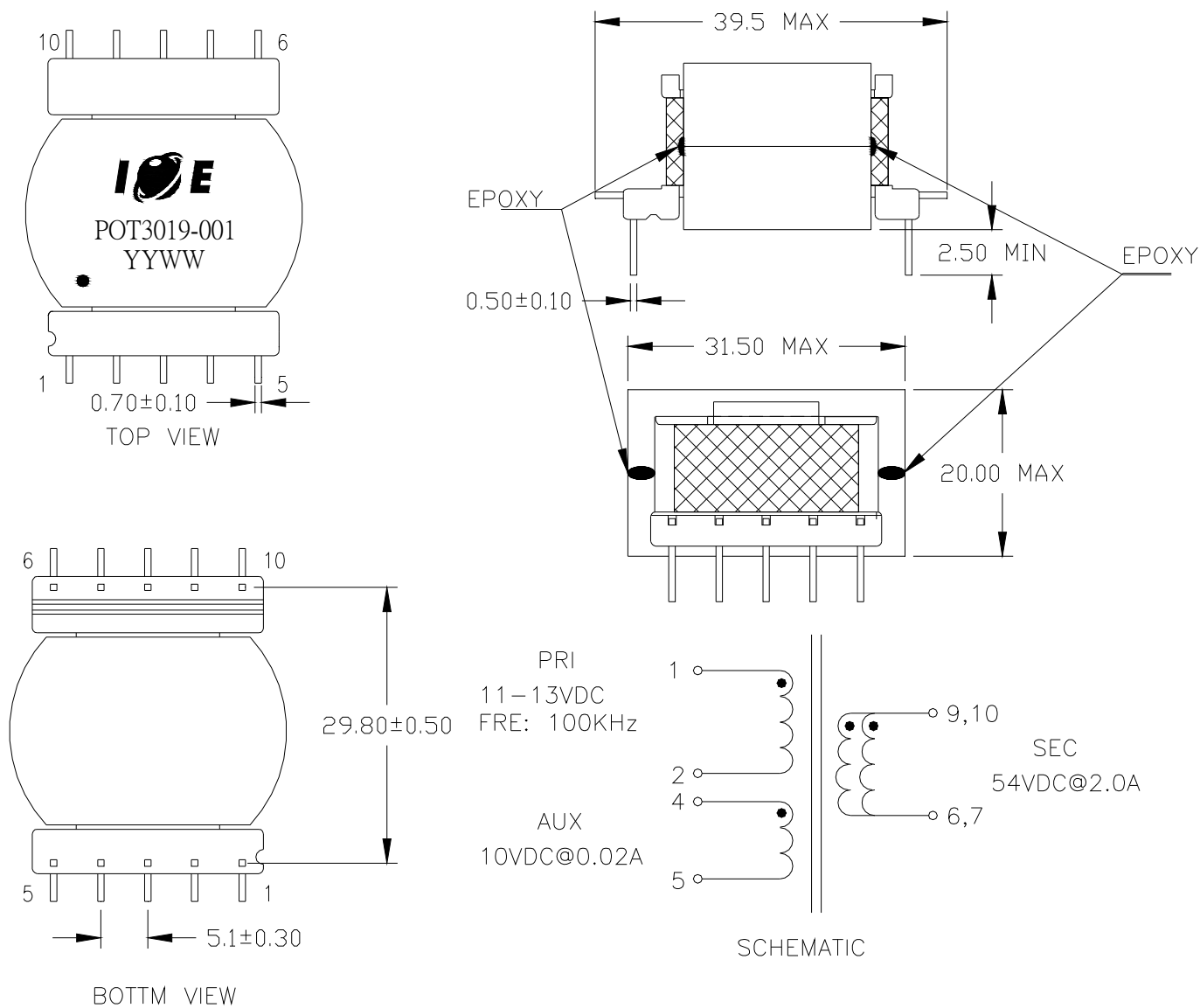
TEL : 86 – 769 – 86634811

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PART NO.	POT3019-001	REV.	A	DATE :	02/02/2018
DESCRIPTION :	TRANSFORMER	SIZE:	POT30	SHEET:	1 OF 5

OUTLINE DRAWING

UNIT: mm



APPROVED BY:	CHECKED BY :	DRAWN BY:
	Jed Xie	LH Guo

PART NO. POT3019-001 REV. A DATE : 01/31/2018
 DESCRIPTION : TRANSFORMER SIZE: POT30 SHEET: 2 OF 5

TEST CONDITION : TEMPERATURE AT 20°C

OPERATING TEMPERATURE:-20-+125°C

NO.	PARAMETER	TERMINAL	SPECIFICATION	TEST INSTRUMENTS
1	INDUCTANCE AT 100.0KHz,0.1V	L(1 – 2)	8. 3uH ±10%	DU7200 AND ZT1320
		L24.1A(1 – 2)	≥L _{0A} *80%	
2	LEAKAGE INDUCTANCE AT 100KHz,0.1V	LK(1 – 2) PINS4,5,6,7, 9, 10 SHORTED)	0. 15uH MAX	DU7200
3	DC RESISTANCE	R(1 – 2)	8. 0mΩ MAX	DU7200
		R(4 – 5)	40. 0mΩ MAX	
		R(10, 9 – 7,6)	52. 5mΩ MAX	
4	HI-POT	(2, 5) TO (10,9)	1500VAC /60SEC/2mA	YH-650 INSULATION TESTER
		COIL TO CORE	500VAC /60SEC/2mA	
5	TURNS RATIO AT 15.75KHz 1.0V	(1-2) : (4– 5)	1 :0.8 ± 2 %	DU7200
		(1-2) : (10, 9 – 7, 6)	1 :4 ± 3 %	

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PART NO.	POT3019-001	REV.	A	DATE :	01/31/2018
DESCRIPTION :	TRANSFORMER	SIZE:	POT30	SHEET:	3 OF 5

TEST CONDITION : TEMPERATURE :28°C

OPERATING TEMPERATURE:-20-+125°C

PARAMETER	TERMINAL	SPECIFICATION	1	2	3	4	
INDUCTANCE AT 100.0KHz,0.1V	L(1 – 2)	8.3uH ±10%	8.7	8.7	8.1	8.1	
	L24.1A(1 – 2)	≥L _{0A} *80%	7.88	7.95	7.81	7.83	
LEAKAGE INDUCTANCE AT 100KHz,0.1V	LK(1 – 2) PINS4,5,6,7, 9, 10 SHORTED)	0.15uH MAX	0.12	0.10	0.13	0.12	
DC RESISTANCE	R(1 – 2)	8.0mΩ MAX	7.1	6.9	7.0	7.1	
	R(4 – 5)	40.0mΩ MAX	37.5	37.9	30.6	30.3	
	R(10, 9 – 7,6)	52.5mΩ MAX	43.7	43.5	43.2	43.3	
HI-POT	(2, 5) TO (10,9)	1500VAC /60SEC/2mA	OK	OK	OK	OK	
	COIL TO CORE	500VAC /60SEC/2mA	OK	OK	OK	OK	
TURNS RATIO AT 15.75KHz 1.0V	(1-2) : (4– 5)	1 :0.8 ± 2 %	OK	OK	OK	OK	
	(1-2) : (10, 9 – 7, 6)	1 :4 ± 3 %	OK	OK	OK	OK	

NOTE:

APPROVED BY:	QA BY:	CHECKED BY :	DRAWN BY:
		Jed Xie	LH Guo

PART NO.	<u>POT3019-001</u>	REV.	<u>A</u>	DATE :	<u>01/31/2018</u>
DESCRIPTION :	<u>TRANSFORMER</u>	SIZE:	<u>POT30</u>	SHEET:	<u>4 OF 5</u>

NO	ITEM	MANUFACTURER	MATERIAL	UL FILE NO.	SGS
01	BOBBIN	CHANG CHUN PLASTICS CO LTD OR EQUIVALENT	PHENOLIC	E59481(S)	YES
02	WIRE	FENG CHING METAL CORP OR EQUIVALENT	UEW+NY	/	YES
03	CORE	ACME OR EQUIVALENT	P47	/	YES
04	TAPE	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD OR EQUIVALENT	CT280	E165111	YES
05	EPOXY	TIAN HUAN TECH (DONG GUAN)CO LTD OR EQUIVALENT	TH320	E257593	YES
06	GLUE	SENSITIVE GLUE CO LTD OR EQUIVALENT	#638/G500	/	YES

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PART NO.

POT3019-001

REV.

A

DATE :

01/31/2018

DESCRIPTION :

TRANSFORMER

SIZE:

POT30

SHEET:

5 OF 5

DIMENSIONS (Unit:mm)

NO \ SPEC	A	B	C	D	E	F	G	H	
	39. 50 MAX	31.50 MAX	20. 0 MAX	0. 7 ±0.10	0. 5 ±0.10	29. 80 ±0.50	5. 10 ±0.50	2.50 MIN	
01	39.2	30.1	18.1	0.68	0.46	29.92	4.97	3.4	
02	39.3	30.1	18.1	0.69	0.48	29.95	5.05	3.35	
03	39.2	30.1	18.5	0.68	0. 49	29.75	5.06	3.45	
04	39.3	30.1	18.5	0.68	0.49	29.78	5.02	3.32	
05									
06									
07									
08									
09									
10									

NOTE:

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