

MESSR:

程遠電子股份有限公司

PARTS NAME: POWER TRANSFORMER

MODEL No:

PARTS No: ~~EPT~~-RC20142
ETP

APPROVED SIGNATURES



HENGO

Pei Yang Electric Industrial Co., Ltd.

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SPECIFICATION OF POWER TRANSFORMER

Date: 88.3.17.

Customer: RANGE Safety: Core Type: R-80L
Part Name: EPT-RC20142 Part No.: Core Material: Z8

Rating:		Input Pri Voltage 110/220VAC	60/50 Hz
1		Exciting Current Less Than 20 mA	
2		Sec No Load Voltage	
3		5-6 #1 17.2 VX 1	5 % 700mA
4		#2 VX	%
		#3 VX	%
		#4 VX	%
		#5 VX	%
		Sec Full Load Voltage	
		#1 VX	%@
		#2 VX	%@
		#3 VX	%@
		#4 VX	%@
		#5 VX	%@

Polarity	Winding Terminal	Turns	Material	DC Resistance
PRI.1		Turns	2UEW	OHMS +- %
PRI.2		Turns	2UEW	OHMS +- %
SEC.1		Turns	2UEW	OHMS +- %
SEC.2		Turns	2UEW	OHMS +- %
SEC.3		Turns	2UEW	OHMS +- %

SPECIFICATION OF LEAD WIRE UL/CSA TYPE

No.	Color	Length	Skin & Tin	Insulation & AWG	Remarks
1.	黑	300 +10mm.	10 + 2mm.	1015 AWG# 22	
2.	棕	300 +10mm.	10 + 2mm.	1015 AWG# 22	
3.	紅	300 +10mm.	10 + 2mm.	1015 AWG# 22	
4.	橙	300 +10mm.	10 + 2mm.	1015 AWG# 22	
5.	橙	300 +10mm.	10 + 2mm.	1015 AWG# 18	
6.	綠	300 +10mm.	10 + 2mm.	1015 AWG# 18	
7.		+ mm.	+ mm.	AWG#	
8.		+ mm.	+ mm.	AWG#	
9.		+ mm.	+ mm.	AWG#	
10.		+ mm.	+ mm.	AWG#	

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1. SURFACE : DAMAGE, RUSTING, AND FOAM ARE NOT PERMITTED.
2. STRAIN RELIEF TEST : LEAD MUST WITHSTAND A PULL 1.5 KG FOR 15 SECONDS.
3. ELECTRICAL CHARACTERISTICS:
 - 3.1. PRIMARY RATED VOLTAGE AND FREQUENCY: 110/220V 60/50 HZ.
 - 3.2. EXCITING CURRENT : INPUT PRIMARY 110 V 60 HZ, ²⁰mA MAX.
 - 3.3. HI-POT TEST : AC 1500V 50/60 HZ FOR ONE MINUTE BETWEEN PRIMARY WINDING FOR SECONDARY WINDING & CORE.
AC 500 V 50/60 HZ FOR ONE MINUTE BETWEEN SECONDARY WINDING & CORE.
 - 3.4. INDUCED VOLTAGE : ALL SECONDARY WINDINGS OPEN, INPUT PRIMARY 480 V 400 HZ FOR 15 SECONDS.
 - 3.5. INSULATION TEST : DC 500 V 100 M MIN. BETWEEN WINDING AND BETWEEN WINDING & CORE.
 - 3.6. TEMPERATURE RISE : LESS THAN 65 C FOR RATED LOAD, MEASURED BY RESISTANCE METHOD.
4. OTHER :

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LIST OF CONSTRUCTION MATERIALS

NO.	DESCRIPTION	MATERIALS	TOTAL THICKNESS	MANUFACTURER
001	Cutless Lamination	0.23mm min. Silicon Steel Sheet		Nippon Steel Corp.
002	Bobbin For Primary	P.B.T. Type No. 1494 94V-0 UL File No. E41797 or Type No. 310-SEO 94V-0 UL File No. E45587	1.0mm	Toray Industries Inc. G.E. Plastics Japan Ltd.
003	Primary Winding	Polyurethane Covered Magnet Wire		Tatung Wire Cable Co., Ltd. or other equality maker
004	Crossover Insulation (Pri.-Sec.)	Ins. Tube Type S-693 F-1 or S-693V F-1 UL File No. E55258		Nikken Industrial Co., Ltd.
005	Bobbin For Secondary	P.B.T. Type No. 1494 94V-0 UL File No. E41797 or Type No. 310-SEO 94V-0 UL File No. E45587	1.0mm	Toray Industries Inc. G.E. Plastics Japan Ltd.
006	Static Shield	() 0.05mm copper foil 1 sheet		Sanbo Copper Co., Ltd.
007	Insulation	0.05mm Polyester Film 2 Turns UL File No. E86511 (M), E39505 (M)	0.10mm	Toray Industries Inc. Dupont De Nemours & Co.,
008	Secondary Winding	Polyurethane Covered Magnet Wire		Tatung Wire Cable Co., Ltd. or other equality maker
009	Insulation	0.05mm Polyester Film 2 Turns UL File No. E86511 (M), E39505 (M)	0.10mm	Toray Industries Inc., Dupont De Nemours & Co.,
010	Pri.-Sec. Insulation	0.18mm Acetate Adhesive Tape 2 sheets and 0.50mm Press Board 1 sheet (Used Double Adhesive Tape Fixed)	0.36mm 0.50mm	Teraoka Seisakusho Co., Ltd. Oji Paper Co., Ltd.
011	Temperature Fuse	() X22-3A Rating 115 Degree C Max. () X23-3A Rating 130 Degree C Max. UL File No. E50082 VDE No. 9230-4510-1001 () Type: D139 Rating 141 Degree C Max. UL File No. E49429 CSA File No. LR43279 () Type: 4283A Rating 141 Degree C Max. UL File No. E40667 CSA File No. LR26323		Uchihashi Estec Co., Ltd. Elmwood Sensors Inc. Micro Device Product Corp. U.S.A.
012	Primary Lead Wire	() AWG#20-22 Style UL 1672 () AWG#20-22 Style UL 1617 () AWG#20-22 Style UL 1015 CSA TEW Vinyl Covered Stranded Wire UL File No. CSA File No. E41396 LL30062 (1015) E50032 LL48506 (1015) E77981 LL43776 (1015)		Pacific Elec. Wire&Cable Co., Ta Ya Elec. Wire& Cable Co., Wonderful Wire Cable Co.,

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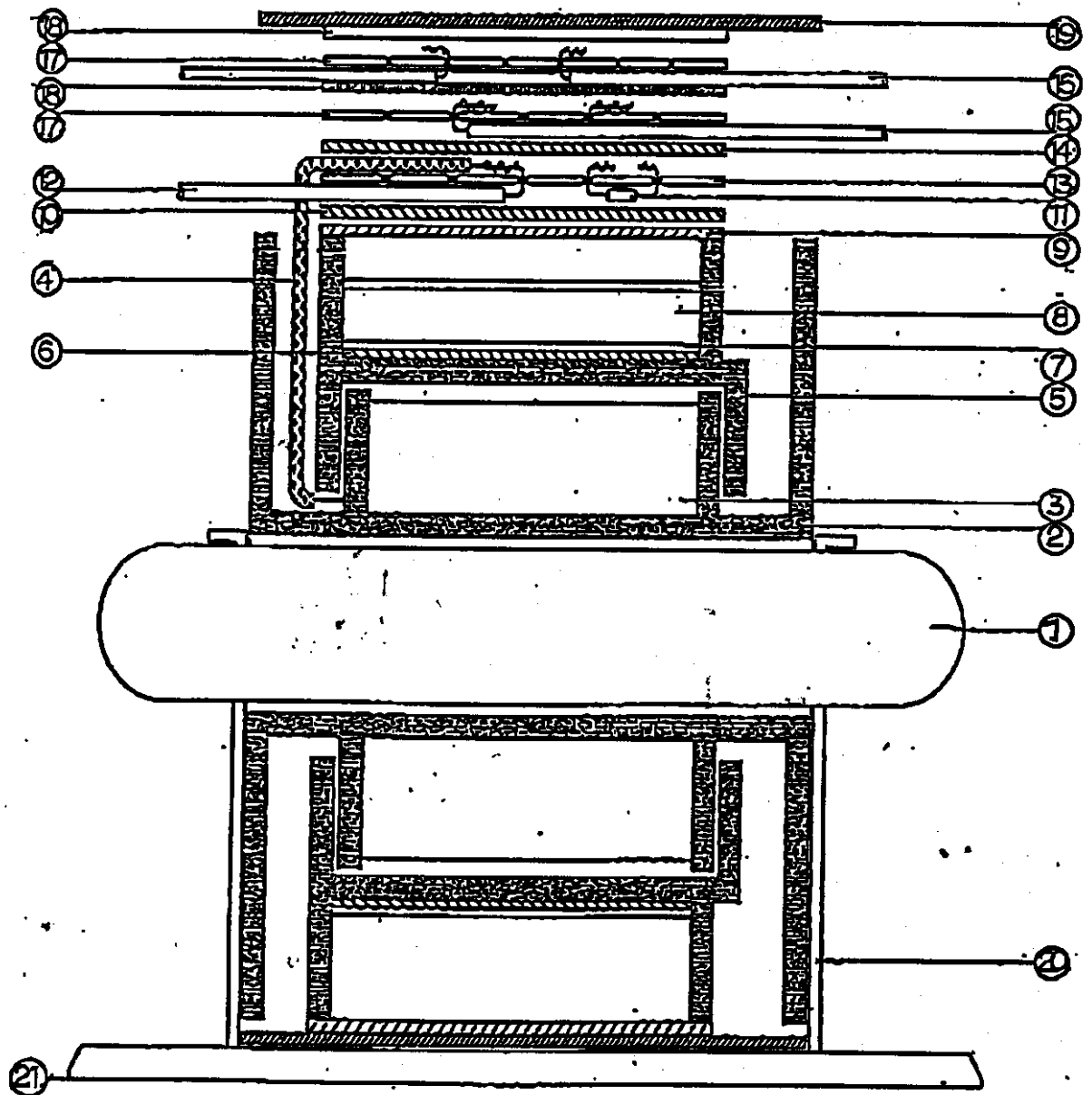
NO.	DESCRIPTION	MATERIALS	TOTAL THICKNESS	MANUFACTURER
013	Pri. Lead Wire Binder	0.25mm Fiber Board & 0.025mm Double Adhesive Tape 1 sheet	0.25mm 0.025mm	Hokutsu Paper Mills Co., Four Pillars Enter. Co., Ltd.
014	Pri.-Sec. Insulation	0.18mm Acetate Adhesive Tape 2 sheets and 0.50mm Press Board 1 sheet	0.36mm 0.50mm	Teraoka Seisakusho Co., Ltd. Oji Paper Co., Ltd.
015	Secondary Lead Wire & Shield Lead Wire	()AWG#18-22 Style UL 1015 CSA TEW ()AWG#18-22 Style UL 1007 CSA TR-64 Vinyl Covered Stranded Wire UL File No. CSA File No. E41396 LL30062, LR30603 E50032 LL48506, LL48503 E77981 LL43776, LL43773		Pacific Elec. Wire & Cable Co., Ta Ya Elec. Wire & Cable Co., Wonderful Wire Cable Co.,
016	Crossover Insulation (Shield-Sec.)	PVC Insulation Tube Rating 300V 105C UL File No. E56118 CSA File No. LR33951	0.30mm	Longwell Co., Ltd.
017	Sec. Lead Wire Binder	0.25mm Fiber Board & 0.025mm Double Adhesive Tape 1 sheet	0.25mm 0.025mm	Hokutsu Paper Mills Co., Four Pillars Enter. Co., Ltd.
018	Insulation	0.18mm Acetate Adhesive Tape 1 sheet	0.18mm	Teraoka Seisakusho Co., Ltd. or other equality maker
019	Outer Wrapping	0.05mm Polyester Film 2 Turns UL File No. E86511(M), E39505(M) and 0.18mm Press Board 2 turns E58317	0.10mm 0.36mm	Toray Industries Inc. Film De Pont De Nemours & Co., Abekawa Paper Co., Ltd.
020	Bracket	1.0mm - 1.8mm min. Cold Rolled Steel Sheet (Zinc-Coated)		Nippon Steel Corp. or other equality maker
021	Impregnation	Coil Varnish		Underwood Industries of New York Inc.

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LOOP TRANSFORMER R-80L

