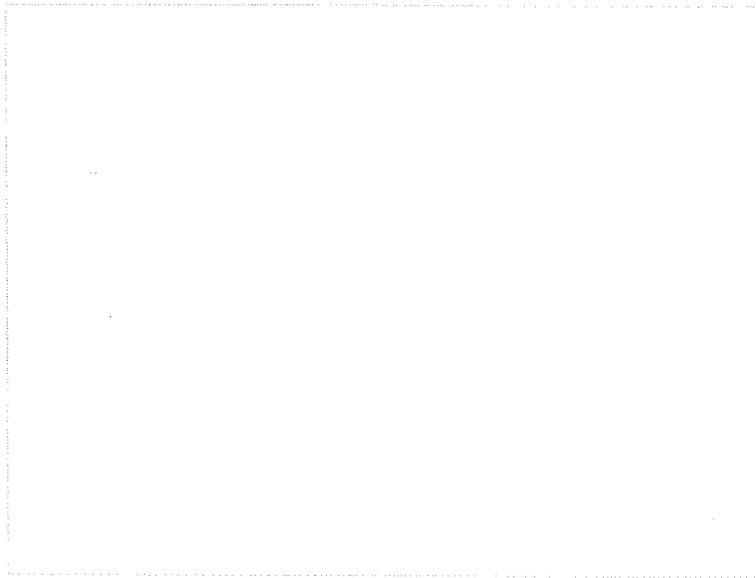


Dwg. No: 42A-4294124-B

CEL Dwg No 0548 A

# TDK CORPORATION



TDK Part No : SRW10ES-U01V002

Customer P/N : 193514004

Title : Transformer

Customer : EMBRACO

## APPROVAL SHEET

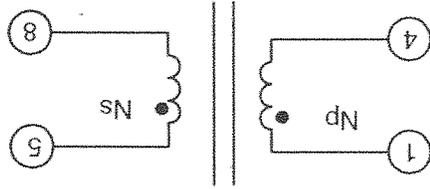
REVISION TABLE

Name of Specification		Approval Specification		Customer	EMBRACO			
Model	SRW10ES-U01V002							
Revision	No	Rev. #	Request from	Revision Page/Item	Reason of Revision	Approved by	Checked by	Designed by
1	A		Customer	2 of 4	Remove pin #2 to identify polarity	SKATB		
2	B		Customer	2 of 4	Add Storage Temperature spec.	SKATB		
3			Customer					
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
Special Note								
Section Code : TUC/CEL								
Approved			Checked			Designed		
2/23/04			2/23/04			2/13/2004		
SKATB			SKATB			David		
Reference Specifications No			Reference Specifications No			Specifications No. (Drawing No.)		
CEL- 0548 - A			42A-4294124 - B					
Abolition			First Issue					
			2/13/2004					

2/4

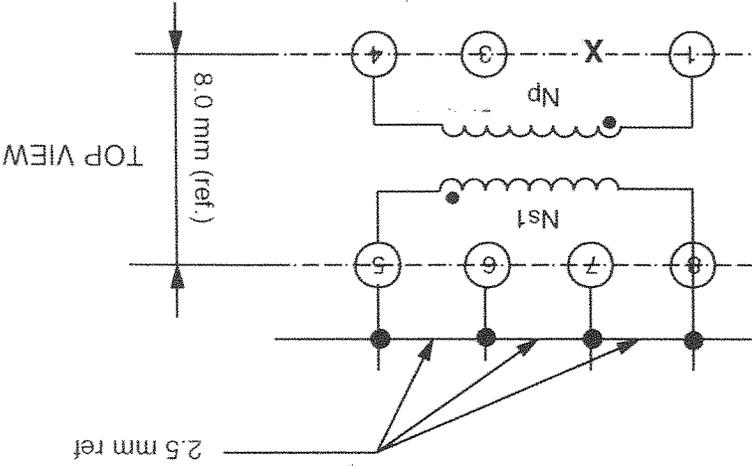
Customer		Embraco	
Model		SRW10ES-U01V002	
Approved		Approved	
Checked		Checked	
Designed		Designed	
42A-4294124		Dwg. No.	
02/04/2005		David Sanchez	

Storage Temperature  
-40 degrees C to +85 degrees C

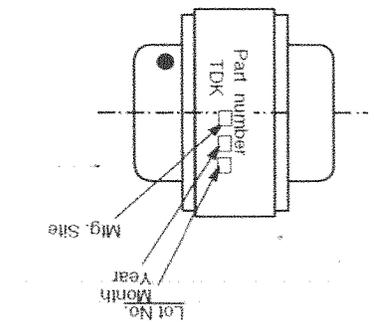
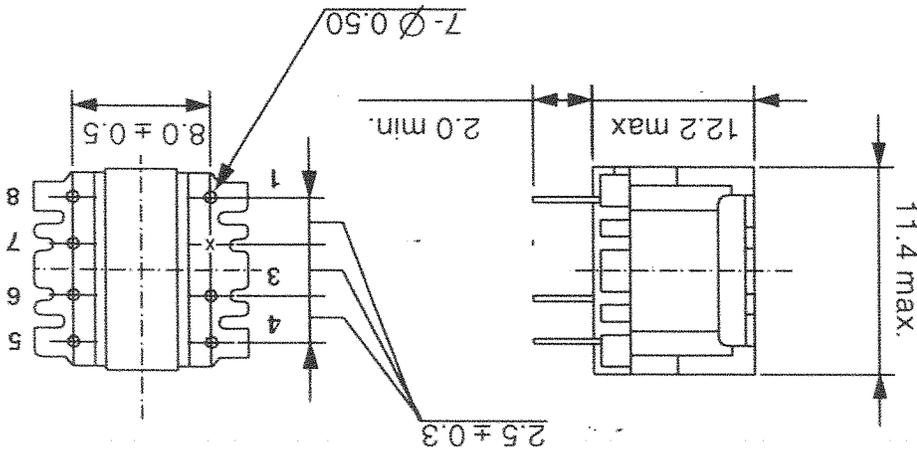
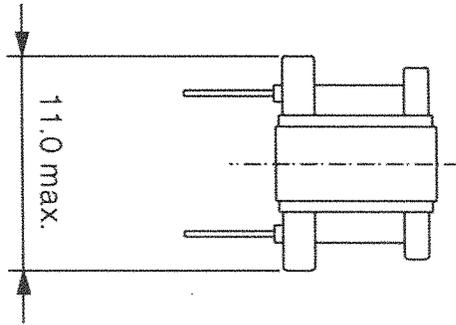


Schematic:

Notes: All Dimensions in mm.  
pin # 2 must be removed



PIN CONFIGURATION:



[1] Appearance & Dimension



**TDK CORPORATION**

Customer P/N	SRW10ES-U01V002	Primary Dwg. No.	42A-4294124	Rev.	B
Customer P/N	193514004	Approved	S. Kato	2/23/04	A
Customer	EMBRACO	Checked	David Sanchez	2/23/2004	
		Designed			

*Marking Contents*

Note: Our facility follow QS9000. IP (in-process testing) on all electrical parameter.

Part No	10ES-U01
Manufacturer	TDK X
Lot No	YearMonth
Other	

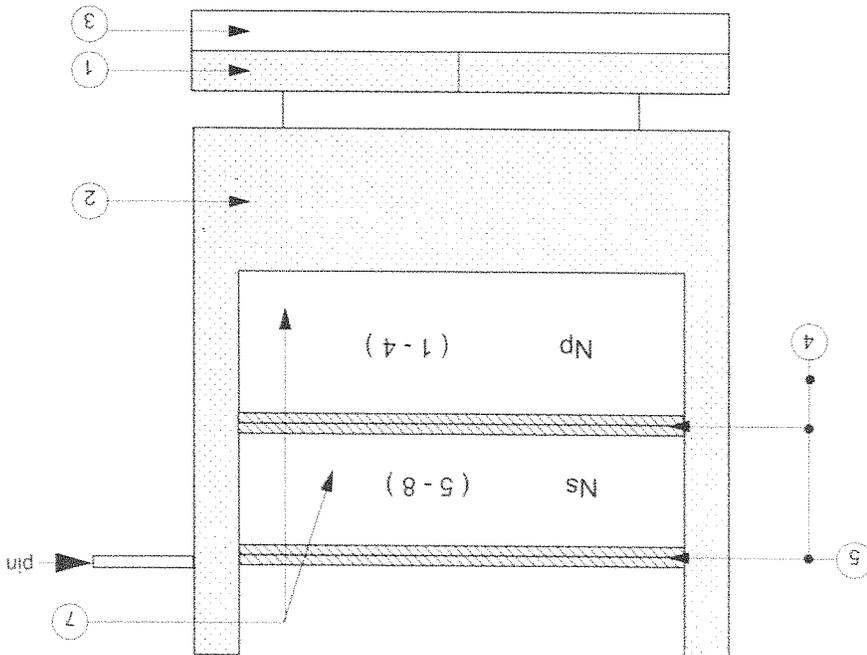
No	Item	Terminal	Specification	Measuring Condition
1	Inductance	1 - 4	820 uH +/- 10%	f=1KHZ, E=1Vrms (open)
2	Leakage Inductance (short Pin#)	1 - 4 5 - 8	45 uH max.	f=100KHZ
3	DC Resistance	1 - 4 5 - 8	1.61 ohms max. 0.69 ohms max.	Milli Ohm Meter: National VP-2941A or Equivalent
4	Turns Ratio	5 - 8 \ 1 - 4 \\ \\ \\ \\ \\ \\	0.3564 V +/- 3%	f=30KHZ, E=1Vrms
5	Withstanding Voltage	1,4 - 5,8	AC 500 V	f=50/60HZ, I=2mA, Puncture Tester: TOS8650
6				

4. Electrical Specification

4/4

No	Item	Material	Base Thickness of One Layer	Layer	Minimum Thickness of Total Layers	UL File No.	Manufacturer
1	Core	Ferme PC40					TDK Corporation
2	Bobbin	Phenolic Resin PM9820 Phenolic Resin 1375J, 1357		0.800 mm		E41429	Sumitomo Bakelite Co., LTD.
3	Fxing Tape for Core	Polyester Tape No.35660(MY95), No.35661 or No.632S or No.1350F, 1318	0.025mm	2	0.050 mm	E50292 E56086	Four Pillars Enterprise Co., LTD. Teracka Seisakusho Co., LTD.
4	Insulation Tape	Same as No.3	0.025mm	2	0.050 mm	Same as No.3	
5	Insulation Tape	Same as No.3	0.025mm	2	0.050 mm	Same as No.3	
6							
7	Wire (Np, ns)	Polyurethane Enamelled Copper Wire 0.20mm or equivalent				E169536 E174837 E158025 E196072	Hui Hong (Hui Zhou) Co., LTD. Jung Shin Wire Co., LTD. (UEW-2) Hung Hseng Wire Mfg. Co., LTD. Dongguan Prosperity Electric Wire & Cable Co.
8	Varnish	Epoxy Varnish TVB-2024 or Equivalent				E85640	Tan Wire Industrial Co., LTD. or equivalent Kyocera Chemical Co. or equivalent

Customer	Embraco	
Model	SRW10ES-U01V002	
Dwg. No.	42A-4294124	
Designed	David Sanchez	02/23/2004
Checked	<i>[Signature]</i>	<i>[Signature]</i>
Approved	<i>[Signature]</i>	2/23/04
		B



Construction :

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[B78311P2358A004](#) [ATB322524-0110-T000](#) [HR051067](#) [HR051142](#) [HR610660](#)