

SPECIFICATION FOR APPROVAL

CUSTOMER :

DESCRIPTION : **Transformer EP7 SMD**

COMCODE P/N :

PRODUCT SPEC : **EP7 output 18V;-4V**

OUR NO : **Q/EP7-531A**

REV. NO : **A**

SPEC NO : **QM-0303KH-TEMP**

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PLEASE SIGN "THE SPECIFICATION FOR APPROVAL" AND INFORM US BY RETURN

SUPPLIERS	SIGNATURE
DRAWING BY	Song Da Cheng
CHECKED BY	Li Qian Bin
APPROVED BY	George.Zhou

CUSTOMERS	" √ "	SIGNATURE
FULL APPROVED		
CONDITIONAL APPROVED		
REJECTED		



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ROHS

H. F

Version Change History

CUSTOMER				COMCODE	P/N		
DESCRIPTION		Transformer EP7 SMD		OUR	NO.	Q/EP7-531A	
Change Date	Version	Content Change			Change reason		Notes
5/Jul/24	A	NEW PRODUCT			CUSTOMER REQUEST		
		DRAWING BY	CHECKED BY	APPROVED BY	DATE		05/Jul/24
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CUSTOMER		COMCODE P/N	
DESCRIPTION	Transformer EP7 SMD	OUR NO.	Q/EP7-531A

WINDING SPECIFICATION:

WDG	Pin S--F	Material & SPEC	Turns	TAPE SPEC & Turns	MARGIN SPEC& Turns		Remarks
					Pin1-4	Pin5-8	
Np1	1--3	MW85C(FIW-4) Φ0.14mm	21Ts	2Ts	/	/	
Np2	2--4	MW85C(FIW-4) Φ0.14mm	21Ts		/	/	
Ns1	7--6	MW85C(FIW-4) Φ0.14mm	27Ts	2Ts	1mm	/	
Ns2	8--5	MW85C(FIW-4) Φ0.14mm	7Ts			/	

ELECTRICAL CHARACTERISTIC:

NO.	ITEM	MEASUREMENT (POINT)	SPECIFICATION	TEST INSTRUMENTS
1	INDUCTANCE(*)	L:1--3	540uH ± 40% 100KHz 0.05V at 25℃	CHEN HUA 3250 or EQUIVALENT
2	LEAKAGE INDUCTANCE	L.K:1--3 (others shorted)	3uHMAX. 100KHz 0.1V at 25℃	
3	DCR	L:3--1	0.45ΩMAX at 20℃	
4	URNS RATIO	N1:N2:N3:N4	21:21:27:7	
5	HI-POT	Pri--Sec	DC: 3.6KV, 2mA 3S	TONGHUI 9053A or EQUIVALENT SENSE:f=50 or 60HZ
		Sec--core	DC: 2.0 KV, 2mA 3S	
		Pri--CORE	DC: 2.0 KV, 2mA 3S	
		Ns1--Ns2	DC: 0.3KV, 2mA ,1S	

* Means CPK≥1.33

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MATERIAL LIST:

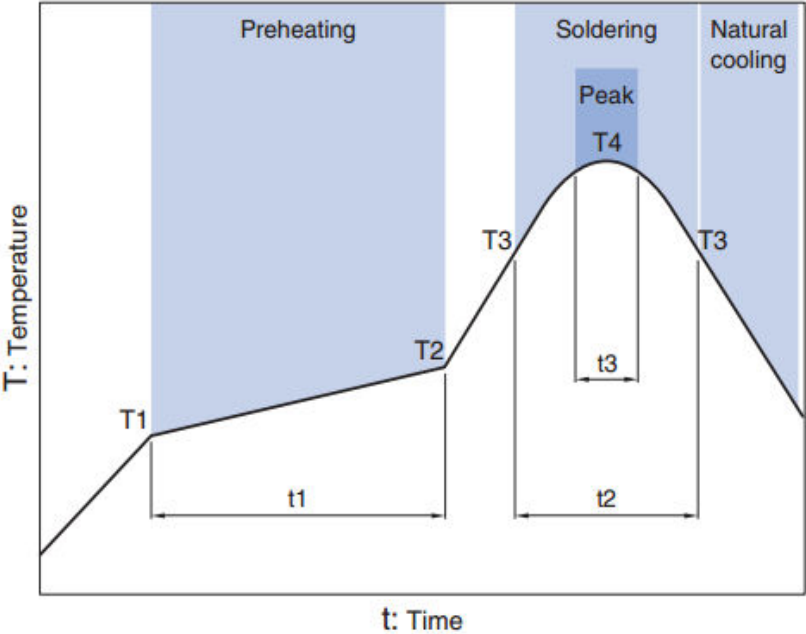
NO.	ITEM	MATERIALS & SPEC	SUPPLIERS	UL NO.
1	CORE	DMR95 EP7	DMEGC	N/A
		P45 EP7	ACME	
2	BOBBIN	PM-9630	SUMITOMO BAKELITE CO LTD	E41429
3	WIRE	POLYURETHANE ENAMELLED COPPER WIRE (MW85C)	ELEKTRISOLA HANGZHOU CO LTD	E258243
		POLYURETHANE ENAMELLED COPPER WIRE (MW85C)	ELEKTRISOLA HANGZHOU CO LTD	E258243
		POLYURETHANE ENAMELLED COPPER WIRE (MW85C)	ZHUHAI SUNTEK WIRE CO LTD	E234867
4	INSULATION TAPE	PF301	JINGJIANG YAHUA PRESSURE SENSITIVE GLUE CO LTD	E165111
		KA200	Symbio inc.	E50292
5	EPOXY	ES5691	Permabond	N/A

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PRODUCT CHARACTERISTICS:

- 1.Operating temperature range:-40℃ to +125℃(include coil heat)
- 2.Storage conditions:-40℃ to +85℃(do not expose to direct sunlight)
3. Reflow condition



Preheating			Soldering		Peak	
Temp.	Time		Temp.	Time	Temp.	Time
T1	T2	t1	T3	t2	T4	t3
150℃	180℃	60 to 120s	230℃	30s max.	245℃	10s max.

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