



SHANG MING ELECTRONICS CO., LTD.

SPECIFICATION FOR ISSUED



CUSTOMER : SEA
 CUSTOMER P/N : To be indicated
 DESIGN P/N : SMP-C2293D
 ISSUED DATE : 2009/10/13
 REVISION : 0

MANUFACTURER	EDITED	CHECKED	ISSUED

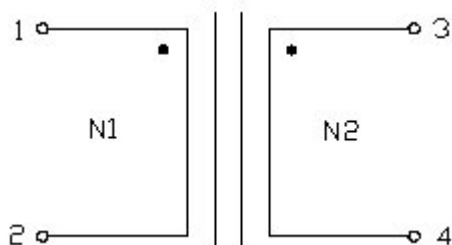
CUSTOMER	RECEIPT	CHECKED	ISSUED

<u>上銘有限公司 HEADQUARTERS</u>	<u>松崗上銘電子廠 MANUFACTURING SITE</u>
SHANG MING ELECTRONICS CO.,LTD	SHANG MING (SUNG KANG) FACTORY
高雄市前鎮區新衙路 288-9 號 4 樓-2	深圳市寶安區松崗鎮東方村大田洋工業區
4F-2,NO.288-9,Hsin-Ya Rd,Kaohsiung, Taiwan	Da-Ten-Yan Industrial-District, Sung Kang Zhen, Bao-An area, Shen Zhen, China
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1 MECHANICAL CHARACTERISTICS

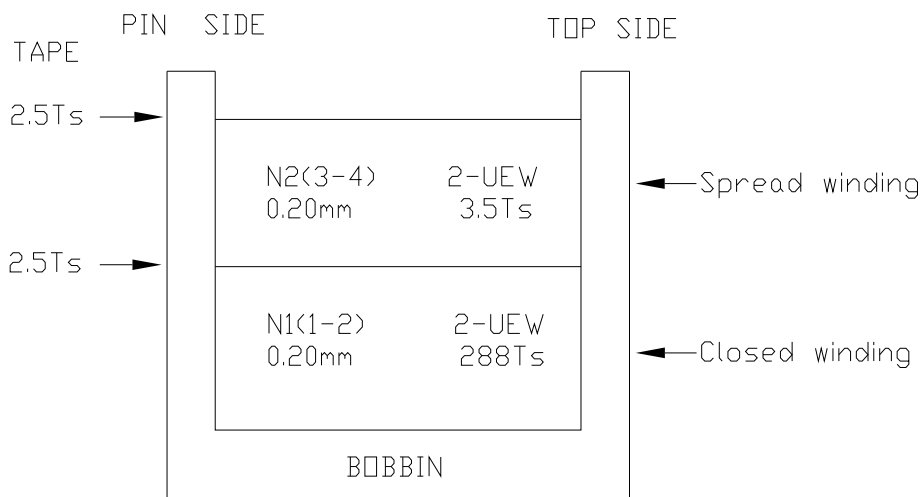
1.1 SCHEMATIC DIAGRAM



● Mechanical start winding, □ Teflon tube

1.2 WINDING CONSTRUCTION

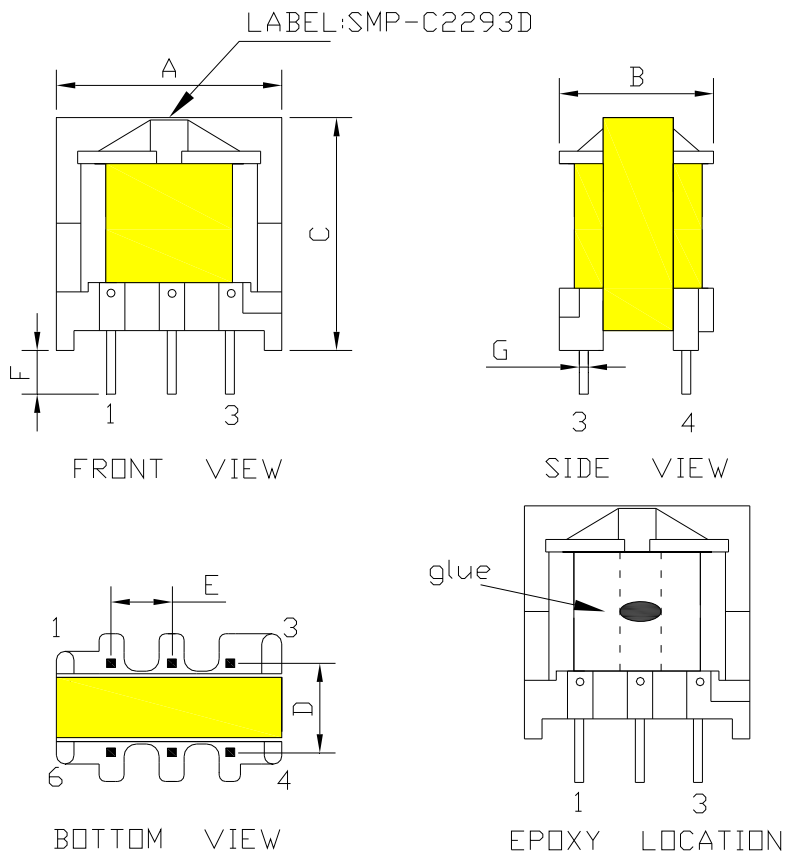
Mylar Tape: 1mil x 10.5mm



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1.3 DIMENSION



A= 16.5 ±1.5	B= 11.0 ±1.5	C= 19.0 ±1.5	D= 7.5 ±0.5	E= 3.75 ±0.5
F= 4.0 ±1.0	G= SQ0.64 ±0.1			

Remark:

- Unit: mm,
- Core Tape : 1 mil x 4.5mm x 2.0 Ts
- Air gap fill-up with glue
- Net weight: 6.88 g (ref)

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2 ELECTRICAL CHARACTERISTICS

No.	Contents	Terminal	Characteristics	Condition
1	Inductance	L (1 - 2)	6.2 mH \pm 10%	@ 100KHz, 1Vrms, 25°C
		L (3 - 4)	1.30 uH Ref	
Chroma LCZ-1061 Meter Equipment				
2	DC Resistance	R (1 - 2)	5.0 Ω , Max	@ 25°C
		R (3 - 4)	98 m Ω , Max	
Chroma 502A OHM Meter Equipment				
3	Hi-Pot	Coil - Coil	AC 1000Vrms/5mA/1sec	@ 60Hz
		Coil - Core	AC 1000Vrms/5mA/1sec	
Chroma 9072A AC/DC Withstanding Voltage Tester				
4	Rated current = 1.0A, max			

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3 LIST OF MATERIAL

No	Item	Material	Rating	Manufacturer	UL NO.	
1	FERRITE CORE EF16	NC-2H	GAP : 0.47mm,ref	NIPPON CERAMIC CO., LTD.		
		DMR40		HENGDIAN GROUP DMEGC MAGNETICS CO., LTD.		
		PL-7		SAMWHA ELECTRONICS CO., LTD.		
		R2K3D		CHENGDU HENGLI MAGNETIC MATERIALS CO., LTD.		
		AF-40		ALWIN ELECTRONICS CO., LTD.		
2	BOBBIN	PET FR-530	(UL 94V-0) 155 °C	E I DUPON DE NEMOURS & CO., INC	E41938	
3	COPPER WIRE	POLYURETHANE ENAMEL LED WIRE				
		UEW-2 (MW-75C)	130°C	JUNG SHING WIRE CO., LTD.	E174837	
		UEW (MW-75C)	130°C	TAI-I ELECTRIC WIRE & CABLE CO., LTD.	E85640	
		UEW (MW-75C)	130°C	TA WIN INDUSTRIES (M) SDN BHD	E152187	
		XUEW#% (MW-75C)	130°C	HUIZHOU GOLDEN OCEAN MAGNET WIRE FACTORY	E225143	
4	MYLAR TAPE	POLYESTER FILM INSULATING TAPE				
		NO.1350F-1(b)	130°C	3M COMPANY ELECTRICAL MARKETS DIV (EMD)	E17385	
		NO.35660*@	130°C	SYMBIO INC	E50292	
5	LEAD-FREE SOLDER BAR	MB-D9930C		DYFENCO ELECTRONIC CHEMICAL CORP.		
6	EPOXY	3300ZH	130°C	DONGGUAN EATTO ELECTRONIC MATERIA CO., LTD.	E218090	
7	VARNISH	T-4260(a) (MW80)	155°C	WU JIANG TAIHU INSULATING MATERIAL CO., LTD.	E228349	

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4 SAMPLE TEST REPORTS

ITEM	Inductance		Dc Resistance		Hi-Pot	
	SPEC.					
	6.2 mH ±10%	1.30 uH Ref	5.1 Ω MAX	98 mΩ MAX	AC 1.0KVrms/5mA/1sec	
FREQ.	100KHz, 1.0Vrms		25°C		60Hz	
TERM	1 - 2	3 - 4	1 - 2	3 - 4	Coil to Coil	Coil to Core
1	6.32	1.34	4.64	83.81	OK	OK
2	6.22	1.30	4.64	82.57	OK	OK
3	6.29	1.39	4.59	83.64	OK	OK
4	6.45	1.37	4.58	83.70	OK	OK
5	6.35	1.34	4.56	81.42	OK	OK
6	6.43	1.36	4.59	83.18	OK	OK
7	6.36	1.39	4.74	84.74	OK	OK
8	6.02	1.23	4.57	83.48	OK	OK
9	6.12	1.33	4.56	82.25	OK	OK
10	6.24	1.36	4.59	85.05	OK	OK

Remark:

- Varnished
- Core Material : R2K3D
- Samples tested on 13-Oct-2009

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