



深圳市威勤电源技术有限公司

产品承认书

CUSTOMER	CUSTOMER NO.	TF PART NO.
		H1601SR
DESCRIPTION:	10/100 BASE-T TRANSFORMER MODULES	
ATTACHMENT:		
■ SPECIFICATION		
■ SAMPLE	Q' TY OF SAMPLES	PCS
CUSTOMER APPROVAL (客户承认章)		KDY APPROVAL (公司承认章)
SALES BY:		DRAWN BY: Eva
QA DEPT.:		CHECKED BY: Meng
ENG. DEPT.:		APPROVAL BY: Alan

名称：深圳市威勤电源技术有限公司

ShenZhen Winchen Power Technolgy Co.,Ltd

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Features

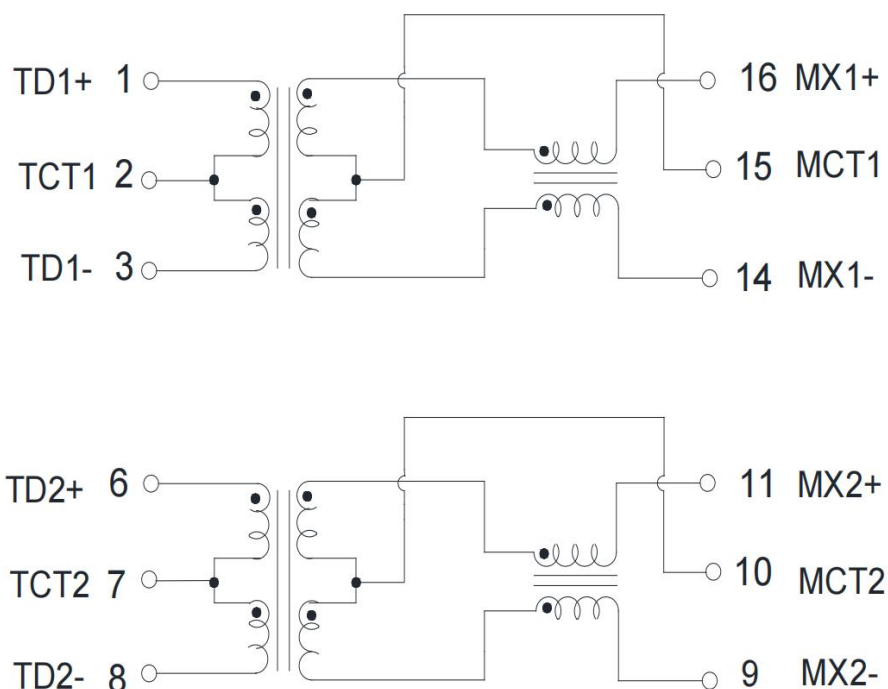
- Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
- Compliant with IEEE 802.3 standard including baseline wander compensation specification of 350uH OCL when Biased at 8mA from@25°C
- Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process (255°C peak)
- Single channel interface for 10/100Mbps Ethernet applications with CMC' s tuned to Enhance EMC system performance
- Operating Temperature range: 0°C to 70°C

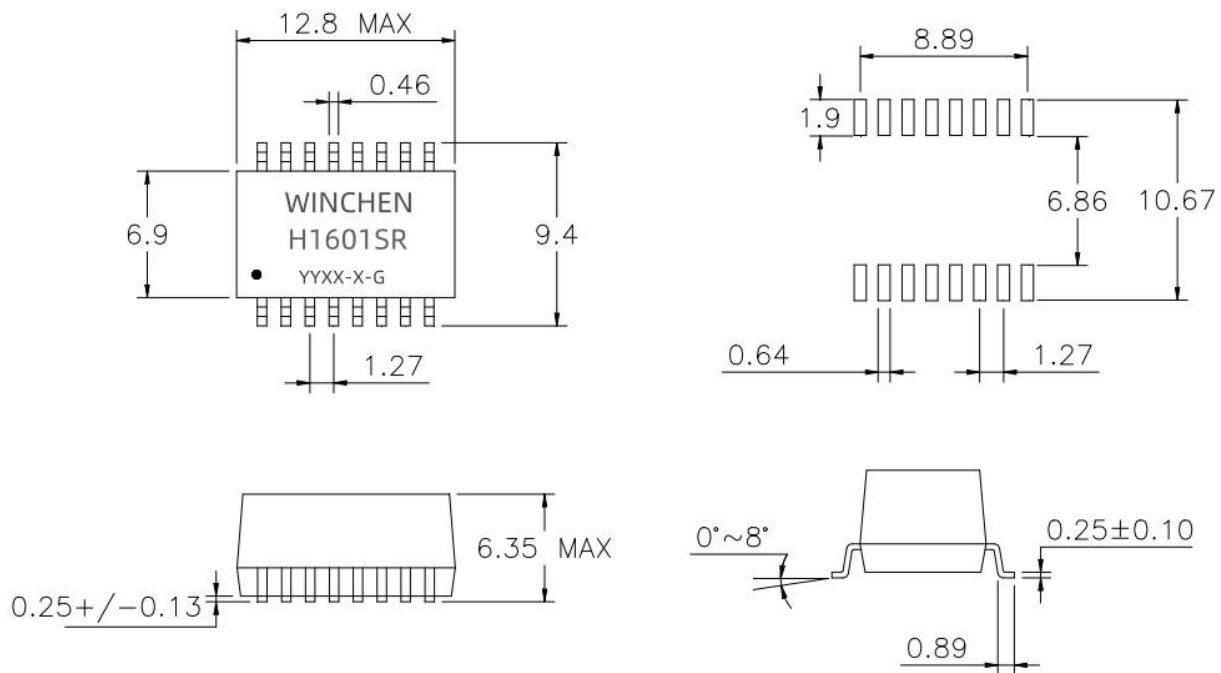
ELECTRICAL SPECIFICATIONS @25°C

OCL	350 uH Min. @ 100 KHz, 100mV with 8mA DC Bias
Leakage Inductance	0.5 uH Max. @ 100KHz, 0.1V
Cw/w	30pF Max. @ 100KHz, 0.1V
DCR	1.3Ω Max
Turns Ratio(±5%)	1CT:1CT(TX), 1CT:1CT(RX)
Insertion Loss	-1.1 dB Max. @ 1-100MHz
Return Loss	-16 dB Min. @ 1-30MHz -16+26log10(f/30MHz) dB MIN@30-80 MHz
Cross Talk	-42 dB Min.@ 1-30 MHz -40 dB Min.@ 60 MHz -38 dB Min.@ 80-100MHz
Common Mode Rejection	-42 dB Min.@ 1-30 MHz -40 dB Min.@ 60 MHz -35 dB Min.@ 80-100 MHz
Isolation HI-POT	1500Vrms 1mA 1Second

Mechanical drawing

SCHEMATIC:



MECHANICAL:


Units:mm

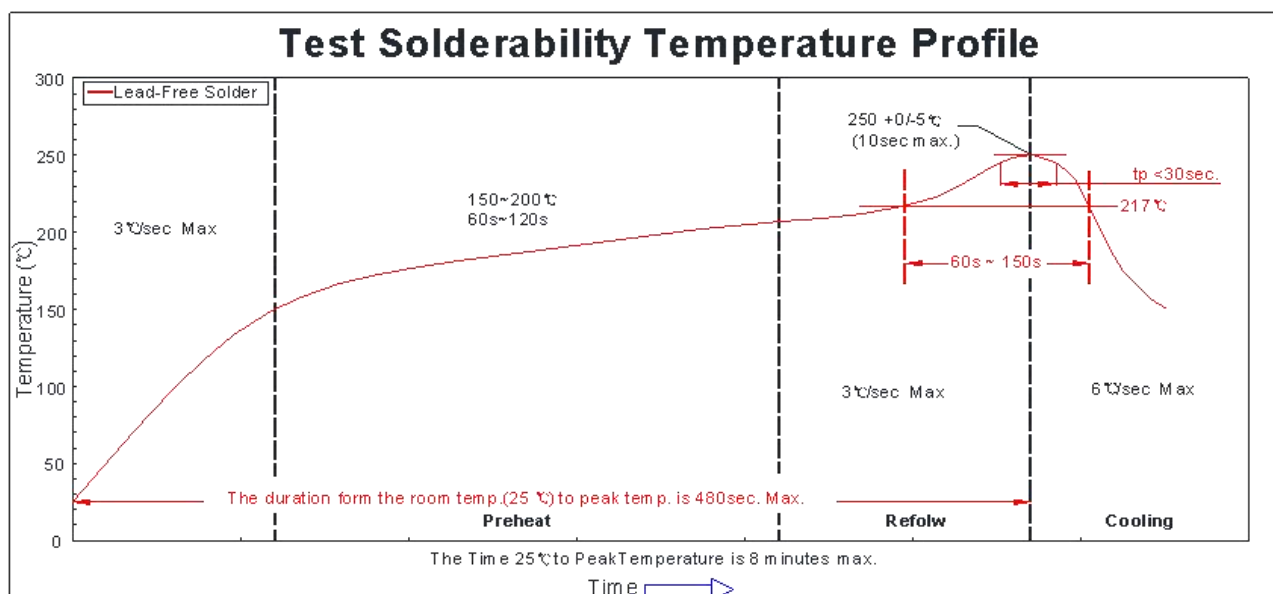
Unless otherwise specified all tolerances are ± 0.25

Sample Test Report

Customer(客户):			Part number(客户料号):				Model(機種): H1601SR	
测试项目	OCL		Leakage Inductance		CW/W		DCR	
测试条件	100 KHz,0.1V @ 8mA DC Bias		100 KHz,0.1V		100 KHz,0.1V		@25°C	
使用设备	TYD2879							
测试规格	350 uH		0.5uH		30pF		1.0Ω	
容许误差	Min.		Max.		Max.		Max	
脚位	1-3	6-8	1-3	6-8	1-16	6-11	1-3	6-8
1	589.1	588.7	0.11	0.12	22	22	0.72	0.73
2	583.9	587.5	0.12	0.12	23	21	0.72	0.73
3	586.5	588.2	0.11	0.11	22	23	0.72	0.73
4	584.7	586.4	0.12	0.12	22	22	0.73	0.72
5	585.7	586.2	0.13	0.11	23	22	0.72	0.72
6	586.9	586.5	0.13	0.12	22	22	0.72	0.73
7	589.7	588.2	0.11	0.11	21	23	0.72	0.72
8	584.3	588.2	0.11	0.13	22	22	0.72	0.72
9	578.2	573.2	0.12	0.13	23	21	0.73	0.73
分項判定	pass	pass	pasS	pass	pasS	pass	pasS	pass

Advice Soldering Profile

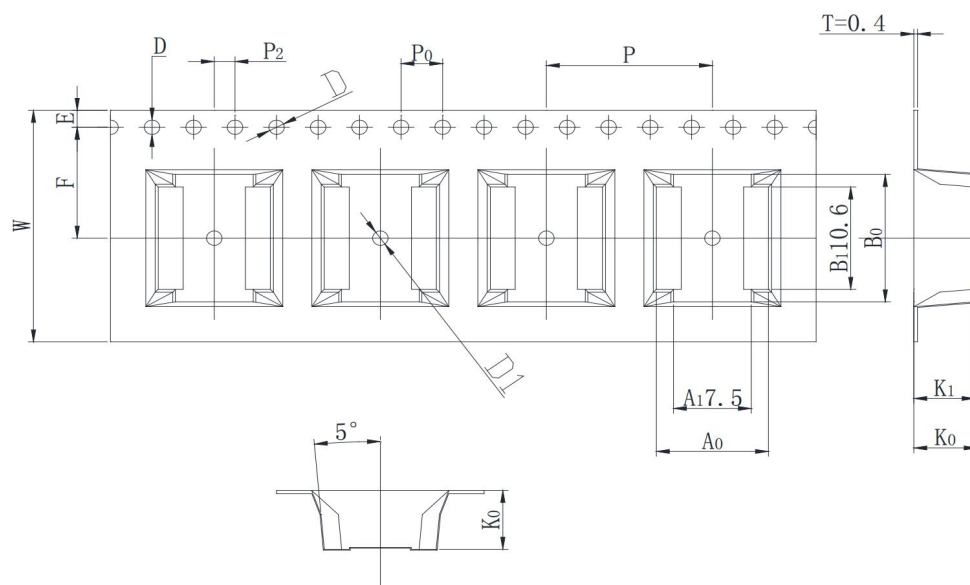
Profile Feature	
Average Ramp-Up Rate (Ts max. to Tp)	3° C/second max.
Preheat :	
-Temperature Min (Ts min.)	150 °C
-Temperature Max (Ts max.)	200 °C
-Time (ts min. to ts max.)	60-120 seconds
Time maintained above:	
-Temperature (TL)	217 °C
-Time (tL)	60-150 second
Peak/Classification Temperature (Tp)	260°C
Time within 5 °C of actual Peak Temperature (tp)	10 seconds max.
Ramp-Down Rate	6 °C/second max.
Time 25 °C to Peak Temperature	8 minutes max.



Packing Specification

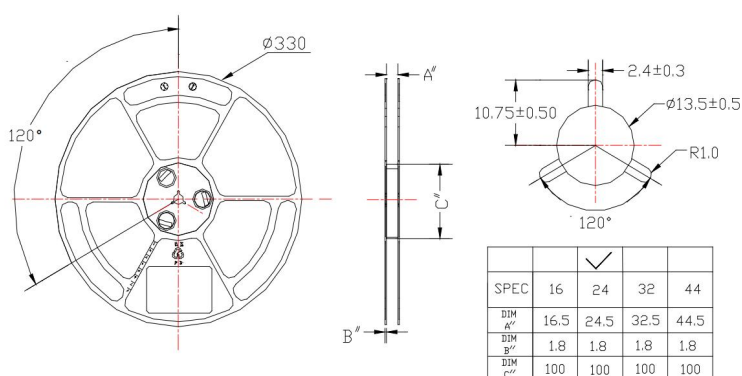
<1> Part Number	H1601SR	<2>Customer	
<3> Product Size		<4> Version	1.0
<5> Package Item:	1. Each Reel Qty 600 X 1(Total Reel in Carton) = 600 PCS		
	2.Total unit transformer in carton 600 X 12(Carton Qty) = 7200 PCS		
<6>Product weight			
Unit	0.65 g	N.W.	4.7 kg
		G.W.	5.7 kg
<7> Remark:			
1. PIN1 faces the apertures if apertures are only on one side.PIN1 faces the round aperture ifthe apertures are on both sides.			
2. Leave 160mm-taping before starting taping;leave 390mm-taping after taping.			
3. Wrap the protected-tape around the reel after taping.			
4. Pack the reel with bag and seal it before putting into the carton.			
5. Hard cardboard will be placed in each corner of the carton for protection.			
6. Cartons will be sealed with tape.			

<8> Reel Dimension



注:未注公差为 ± 0.10

项目	W	A ₀	B ₀	K ₀	K ₁	P	F	E	D ₀	D ₁	P ₀	P ₂	T
尺寸	24.00 ± 0.30	10.8 ± 0.15	13.5 ± 0.15	6.10 ± 0.10	5.90 ± 0.10	16.00 ± 0.10	11.50 ± 0.10	1.75 ± 0.10	1.50 ± 0.10	1.50 ± 0.10	4.00 ± 0.10	2.00 ± 0.10	0.40 ± 0.05
变更													
客户确认:	日期: ☐ 接受 ☐ 拒绝												



<9> Packing Illustration

