

FLY_CORE

上海飞芯电子科技有限公司

HS 浩然电子
Hasion Electronics

产品承认书

CUSTOMER	CUSTOMER NO.	PART NO.
		HS502T
DESCRIPTION:	10/100/1000 BASE-T TRANSFORMER MODULES	

ATTACHMENT:

■ SPECIFICATION

■ SAMPLE Q'TY OF SAMPLES 5 PCS

CUSTOMER APPROVAL (客户承认章)		KDY APPROVAL (公司承认章)	
SALES BY:		DRAWN BY:	Season
QA DEPT. :		CHECKED BY:	DellyDeng
ENG. DEPT.:		APPROVAL BY:	JamesYan

成都浩然电子有限公司

热线电话：028-86127089 0755-86066647

技术支持：support@hschip.com

官方网址：<https://www.hschip.com>



微信公众号



手机淘宝商城

1. FEATURES:

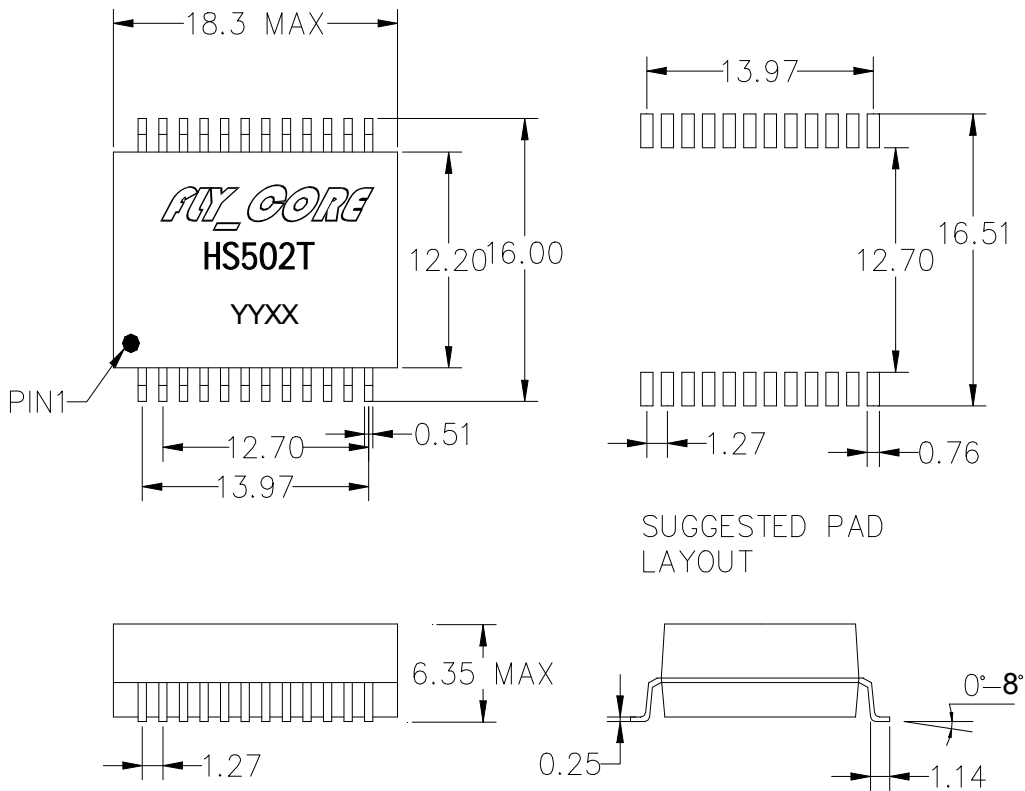
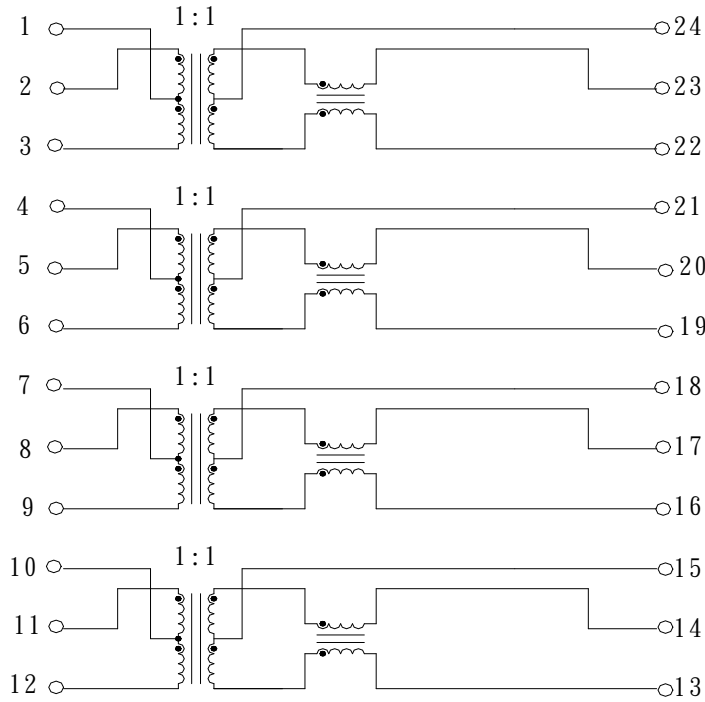
- 1.1 Compatible with various 10/100/1000 Base-TX for POE transceiver requiring 1:1 transmit and receive turns ratio
- 1.2 Compliant with IEEE 802.3 standard including baseline wander compensation specification of 350uH OCL when Biased at 8mA from -40°C to 85°C
- 1.3 Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process (260°C peak)
- 1.4 Single channel interface for 1000Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- 1.5 Operating Temperature range:-40°C to 85°C

2.ELECTRICAL SPECIFICATIONS @25°C

- 2.1 OCL : 350 uH Min. @ 100 KHz, 100mV with 8mA DC Bias
- 2.2 Leakage Inductance: 0.5 uH Max. @ 100KHz, 0.1V
- 2.3 Cw/w: 30pF Max. @ 100KHz, 0.1V
- 2.4 DCR: 1.0Ω Max.
- 2.5 Turns Ratio(±5%): 1CT:1CT(TX), 1CT:1CT(RX)
- 2.6 Insertion Loss: -1.1 dB Max. @ 1-100MHz
- 2.7 Return Loss: -16 dB Min. @ 1-30MHz
 - 12 dB Min. @ 60 MHz
 - 10 dB Min.@ 80 MHz
- 2.8Cross Talk: -42 dB Min.@ 1-30 MHz
 - 40 dB Min.@ 60 MHz
 - 38 dB Min.@ 80-100MHz
- 2.9 Common Mode Rejection : -42 dB Min.@ 1-30 MHz
 - 40 dB Min.@ 60 MHz
 - 35 dB Min.@ 80-100 MHz
- 2.10 Isolation HI-POT: 1500Vrms 1mA 1Second

DRAWN BY:	CHECKED BY:	APPROVED BY:	CUSTOMER:
Season	DellyDeng	JamesYan	PART NO. : HS502T
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3. SCHEMATICS:



DRAWN BY:	CHECKED BY:	APPROVED BY:	CUSTOMER:
Season	DellyDeng	JamesYan	PART NO. : HS502T

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FC-QTC-001

样品测试报告(1)

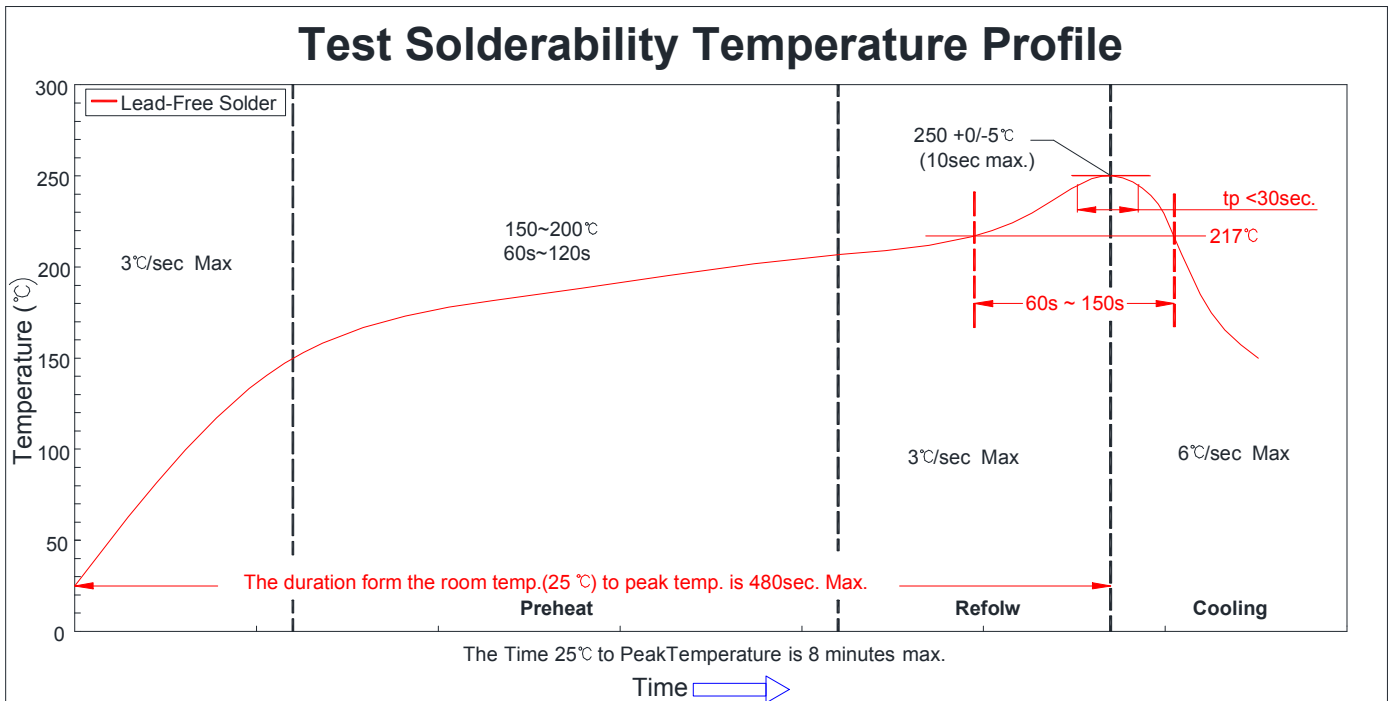
■Customer(客户)		Part number(客户料号)				Model(机种): HS502T			
测试项目	OCL				Leakage Inductance				
测试条件	100 KHz, 0.1V @ 8mA DC Bias				100 KHz, 0.1V				
使用设备	TYD2879								
测试规格	350 uH				0.5uH				
容许误差	Min.				Max.				
脚位	2-3	5-6	8-9	11-12	2-3	5-6	8-9	11-12	
1	591.30	589.40	590.50	587.40	0.11	0.13	0.12	0.11	
2	591.90	588.00	592.40	588.90	0.12	0.13	0.12	0.12	
3	592.30	589.10	592.80	589.50	0.13	0.12	0.11	0.12	
4	589.40	583.40	592.50	592.50	0.12	0.12	0.11	0.12	
5	590.20	593.40	587.40	594.10	0.11	0.13	0.12	0.12	
6	588.50	593.90	589.30	594.90	0.12	0.13	0.12	0.12	
7	598.20	588.90	592.40	593.20	0.12	0.12	0.11	0.12	
8	590.10	587.40	595.30	591.30	0.11	0.12	0.13	0.11	
9	592.30	595.30	592.10	596.30	0.13	0.13	0.14	0.13	
分項判定	pass	pass	pass	pass	pass	pass	pass	pass	
DRAWN BY:		CHECKED BY:		APPROVED BY:		CUSTOMER:			
Season		DellyDeng		JamesYan		PARTNO. : HS502T			
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样品测试报告(2)

■Customer(客户)			Part number(客户料号)			Model(机种): HS502T		
测试项目	CW/W				DCR			
测试条件	100 KHz, 0.1V @ 8mA DC Bias				@25°C			
使用设备	TYD2879							
测试规格	30pF				1.0Ω			
容许误差	Max.				Max.			
脚位	2-23	5-20	8-17	11-14	2-3	5-6	8-9	11-12
1	22.5	21.6	23.4	22.4	0.72	0.72	0.73	0.72
2	23.4	22.3	22.8	23.4	0.74	0.72	0.72	0.74
3	24.5	23.1	22.1	21.9	0.74	0.75	0.73	0.73
4	22.3	22.4	22.9	23.8	0.73	0.73	0.74	0.76
5	22.3	24.2	23.8	23.9	0.73	0.73	0.75	0.74
6	22.9	24.2	21.9	22.3	0.73	0.73	0.74	0.73
7	21.9	22.1	22.4	22.8	0.73	0.73	0.73	0.74
8	22.5	22.6	22.7	23.8	0.73	0.72	0.73	0.73
9	21.7	23.1	23.4	22.4	0.72	0.72	0.73	0.72
分項判定	pass	pass	pass	pass	pass	pass	pass	pass
DRAWN BY:		CHECKED BY:		APPROVED BY:		CUSTOMER:		
Season		DellyDeng		JamesYan		PARTNO. : HS502T		
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Advice Soldering Profile

Profile Feature	
Average Ramp-Up Rate (Ts max. to Tp)	3° C/second max.
Preheat -Temperature Min (Ts min.) -Temperature Max (Ts max.) -Time (ts min. to ts max.)	150 °C 200 °C 60-120 seconds
Time maintained above: -Temperature (TL) -Time (tL)	217 °C 60-150 seconds
Peak/Classification Temperature (Tp)	250°C
Time within 5 °C of actual Peak Temperature (tp)	10seconds max.
Ramp-Down Rate	6 °C/second max.
Time 25 °C to Peak Temperature	8 minutes max.



Packing Specification

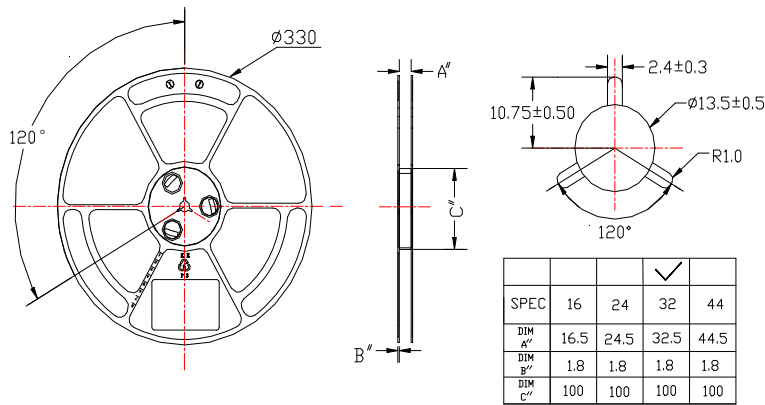
<1> Part Number	FC1502GY	<2>Customer	
<3> Product Size		<4> Version	1.0

<5> Package Item:	1. Each Reel Qty	400	X	6 (Total Reel in Carton)	=	2400	PCS
	2.Total unit transformer in carton	2400	X	1 (Carton Qty)	=	2400	PCS

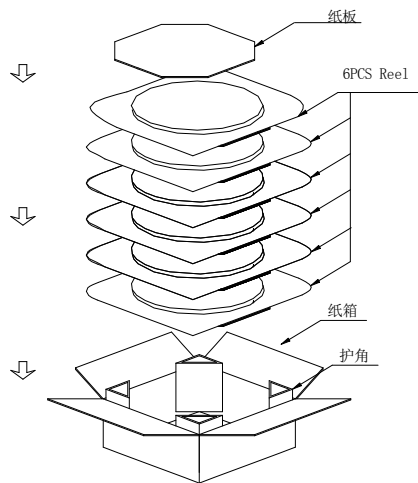
<6>Product weight							
unit	1.65	g	N.W.	1	kg	G.W.	7 Kg

- <7> Remark:**
1. PIN1 faces the apertures if apertures are only on one side. PIN1 faces the round aperture if the 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.

<9> Reel Dimension



<10> Packing Illustration



盐雾实验报告

产品型号	24PIN 外壳	实验日期:	2018/7/15
实验数量	20PCS	申请部门	研发部
试验条件:	Refer to EIA-364-26B ITEM B Brine Compound: It Contains 5% NaCl PH Value: 6.5~7.2 Temperature:35°C+2°C Duration:16 hours		
试验前			
试验后			
说明：试验后，用温水洗去盐渍，常温下烘干 1 小时，无锈迹及氧化，即判定 OK.			
结果判定：PASS			
DRAWN BY:	CHECKED BY:	APPROVED BY:	CUSTOMER:
Season	DellyDeng	JamesYan	PARTNO. : HS502T
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