



产品承认书

CUSTOMER	CUSTOMER NO.	TF PART NO.
		TF1102P
DESCRIPTION:	10/100 BASE-T TRNSFORMER 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



1. FEATURES:

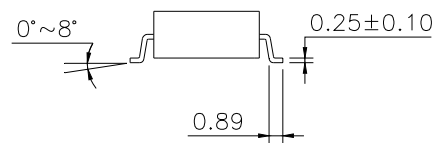
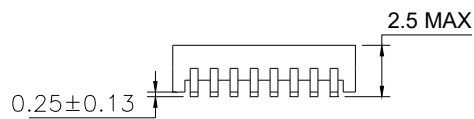
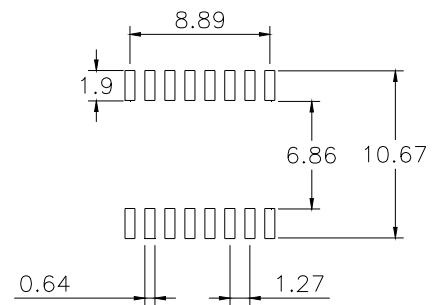
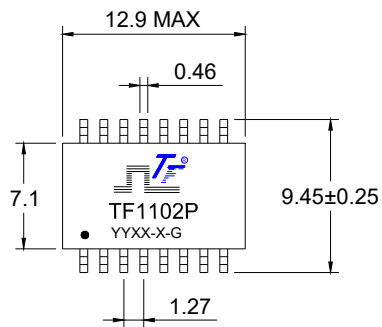
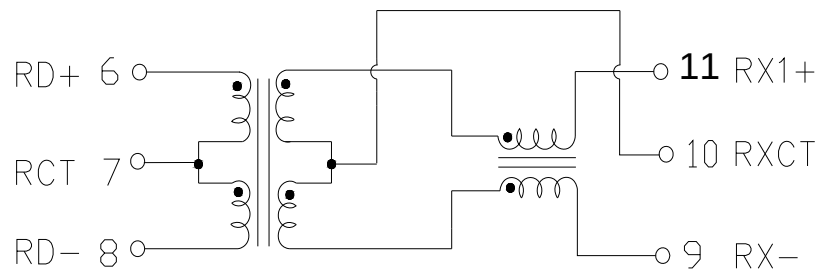
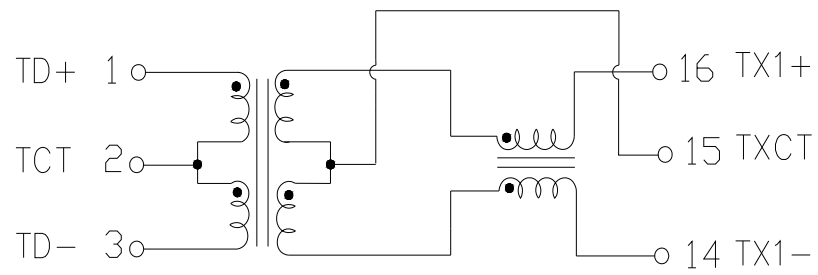
- 1.1 Compatible with various 10/100 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
- 1.2 Compliant with IEEE 802.3 standard including baseline wander compensation specification of 350uH OCL when Biased at 8mA from @25°C
- 1.3 Low profile Surface Mount Packaging designed for Hi-Temp Reflow Process (255°C peak)
- 1.4 Single channel interface for 10/100Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- 1.5 Operating Temperature range: 0°C to 70°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: 1.30Ω 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. : TF1102P
			REV.: A
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3. SCHEMATICS:



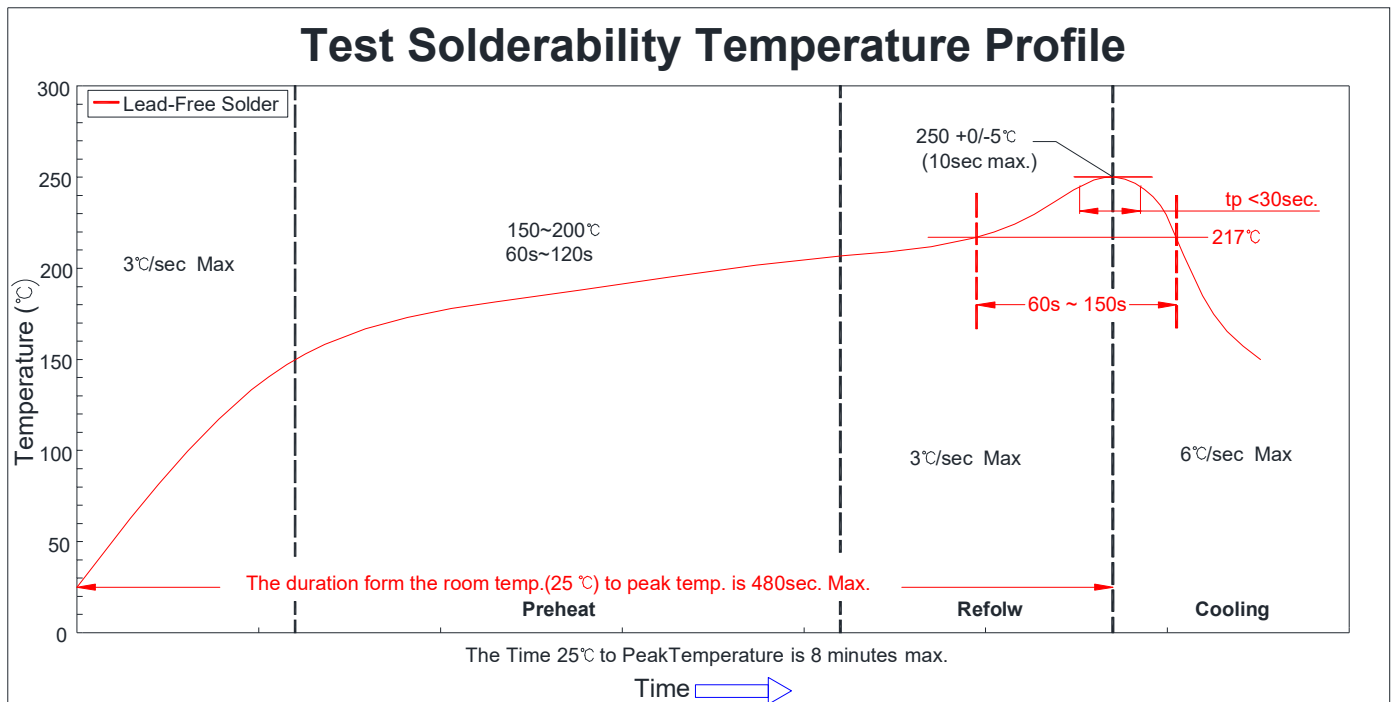
DRAWN BY:	CHECKED BY:	APPROVED BY:	CUSTOMER:
Season	DellyDeng	JamesYan	PART NO. : TF1102P
			REV.: A
			PAGE: 3 OF 6

样品测试报告(1)

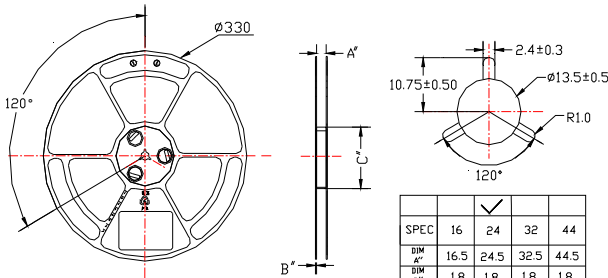
■Customer(客户)			Part number(客户料号) :			Model(机种):TF1102P		
测试项目	OCL		Leakage Inductance		CW/W		DCR	
测试条件	100 KHz, 0.1V @ 8mA DC Bias		100 KHz, 0.1V		100 KHz, 0.1V		@25°C	
使用设备	TYD2879							
测试规格	350 uH		0.5uH		30pF		1.0Ω	
容许误差	Min.		Max.		Max.		Max.	
脚位	1-3	6-8	1-3	6-8	1-16	6-11	1-3	6-8
1	568.7	571.2	0.11	0.12	22	22	0.71	0.71
2	566.5	566.8	0.12	0.12	22	21	0.71	0.71
3	567.9	567.9	0.11	0.11	21	22	0.71	0.71
4	578.5	578.1	0.12	0.11	22	21	0.72	0.71
5	567.5	567.4	0.11	0.11	21	22	0.71	0.71
6	568.3	568.4	0.12	0.12	21	21	0.72	0.72
7	567.9	568.3	0.12	0.11	22	22	0.72	0.72
8	577.3	578.2	0.12	0.11	22	22	0.70	0.72
9	576.3	576.5	0.11	0.12	21	21	0.71	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. : TF1102P	
						REV.: A		
						PAGE: 4 OF 6		

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		TF1102P		<2>Customer																												
<3> Product Size				<4> Version		1.0																										
<5> Package Item:	1. Each Reel Qty		1500	X	10 (Total Reel in Carton)	=	15000 PCS																									
	2.Total unit transformer in carton		15000	X	1(Carton Qty)	=	15000 PCS																									
<6>Product weight																																
unit	0.26	g	N.W.	3.9	kg	G.W.	4.9 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																																
 <table><tr><td></td><td>16</td><td>24</td><td>32</td><td>44</td></tr><tr><td>SPEC</td><td>16</td><td>24</td><td>32</td><td>44</td></tr><tr><td>DIM A"</td><td>16.5</td><td>24.5</td><td>32.5</td><td>44.5</td></tr><tr><td>DIM B"</td><td>1.8</td><td>1.8</td><td>1.8</td><td>1.8</td></tr><tr><td>DIM C"</td><td>100</td><td>100</td><td>100</td><td>100</td></tr></table>									16	24	32	44	SPEC	16	24	32	44	DIM A"	16.5	24.5	32.5	44.5	DIM B"	1.8	1.8	1.8	1.8	DIM C"	100	100	100	100
	16	24	32	44																												
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DIM B"	1.8	1.8	1.8	1.8																												
DIM C"	100	100	100	100																												
<10> Packing Illustration																																
