SPECIFICATION FOR APPROVAL

CUSTOMER . _____

CUSTOMER'S PART NO. _____

YDS P/ N : 11FB-05NL

QUANTITY: 80PCS **DATE:** NEW 2008/ 2/25

	" V "	CUSTOMER'S SIGNATURE	NOTE
FULL APPROVED			
CONDITIONAL APPROVED			
REJECTED			

DREW BY	CHECKED BY	APPROVED BY
MA YUAN YUAN		

□元 冊 科 技 股 份 有 限 公 司

YUAN DEAN SCIENTIFIC CO., LTD.

70445 台南市北區西門路 4 段 480 號 5 樓.
5F,NO.480,SECTION.4,HSI-MEN ROAD.
TAINAN BRANCH, TAINAN TAIWAN R. O. C.
TEL: 886-6-2512628 FAX: 886-6-2511858
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SHANGHAI YDS TECHNOLOGY CO.,LTD
TEL:86-21-34141381~1382 FAX:86-21-34146382
www.ydschina.com

RoHS Compliant

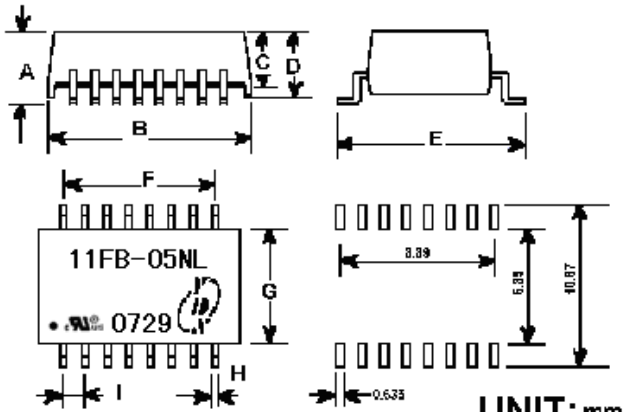
GB/T24001-2004
ISO14001:2004
CER.NO.01905E10510R0M

表號:TE0101A

SPECIFICATION

CUSTOMER. UTstarcom	**DATE.** UPdate 2008/1/16
CUSTOMER NO. 11FB-05NL	**YDS PART NO.** 11FB-05NL
DESCRIPTION. 100BASE-T FILTER	**SAMPLE ORDER NO.**
REV. NO. 0	**SHEET** 2 **OF** 5

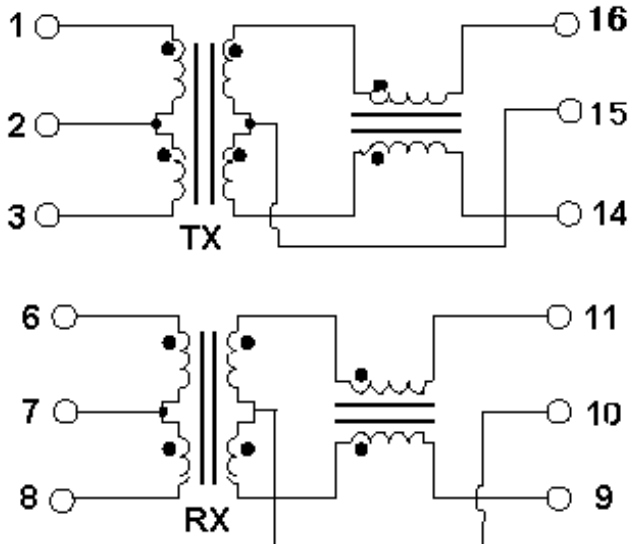
1. MECHANICAL DIMENSIONS :



ITEM	SPECIFICATION	READING
A	5.65	5.66
B	12.80±0.15	12.85
C	4.60	4.60
D	5.45	5.44
E	9.45	9.46
F	8.89	8.89
G	6.90±0.10	6.85
H	0.46±0.05	0.47
I	1.27±0.05	1.26

2. S

Unless otherwise specified, all tolerances are±0.25



CUSTOMER APPROVED BY :

		TEST BY	CHECKED BY	APPROVED BY
	元冊科技股份有限公司	MA YUAN YUAN		
	YUAN DEAN SCIENTIFIC CO., LTD			

表號:TE0101A

SPECIFICATION

CUSTOMER. UTstarcom	**DATE.** UPdate 2008/1/16
CUSTOMER NO. 11FB-05NL	**YDS PART NO.** 11FB-05NL
DESCRIPTION. 100BASE-T FILTER	**SAMPLE ORDER NO.**
REV. NO. 0	**SHEET** 3 **OF** 5

3. ELECTRICAL CHARACTERISTICS :

ITEM	PARAMETER	SYMBOLS AND CONDITIONS	RESULT OF RANGE	UNIT	TEST INSTRUMENT
1	PRIMARY INDUCTANCE	PRI	350 MIN @100KHZ/0.1V/8mA	uH	#3250
2	INTERWINDING CAP.	PRI TO SEC	25 MAX @100KHZ/0.1V	PF	#3250
3	INSERTION LOSS	TX ;RX	1– 100MHz@ -1.0 MAX 140MHz@ -3.0 MAX	dB	8712ET
4	RETURN LOSS	TX ; RX	5MHZ @ -16 MIN 30MHZ @ -16 MIN 40MHZ @ -13.5 MIN 50MHZ @ -11.6 MIN 60MHZ @ -10 MIN 80MHZ @ -10 MIN	dB	8712ET
5	TURNS RATIO	(1-3):(16-14) (6-8):(11-9)	1CT:1CT		#3250
6	HI-POT	(1-3) to (16-14) (6-8) to (11-9)	1650/0.5	Vrms/ mA	ZENTECH 9072

CUSTOMER APPROVED BY :

	元冊科技股份有限公司	TEST BY	CHECKED BY	APPROVED BY
	YUAN DEAN SCIENTIFIC CO., LTD	MA YUAN YUAN		

表號:TE0101A

SPECIFICATION

CUSTOMER. UTstarcom	**DATE.** UPdate 2008/1/16
CUSTOMER NO. 11FB-05NL	**YDS PART NO.** 11FB-05NL
DESCRIPTION. 100BASE-T FILTER	**SAMPLE ORDER NO.**
REV. NO. 0	**SHEET** 4 **OF** 5

4. TEST DATA :

ITEM	TEST ITEM		REQMTS	1.TX	RX	2.TX	RX	
1	**PRIMARY INDUCTANCE**		**350uHMIN 100KHZ/0.1V/ 8mA**	590	562	615	568	
2	**INTERWINDING CAP.**		**25 PFMAX 100KHZ/0.1V**	18.1	17.9	17.8	18.5	
3	**TURNS RATIO**		**1CT: 1CT**	OK	OK	OK	OK	
4	**HI-POT**		**1650Vrms/ 0.5mA**	OK	OK	OK	OK	
5	**INSERATIONLOSS**	**1~100 MHz**	**-1.0dB MAX**	-0.44	-0.43	-0.53	-0.54	
		140MHz	**-3.0dB MAX**	-0.51	-0.53	-0.60	-0.59	
6	**RETURN LOSS**	**5 MHz**	**-16dB MIN**	-30.6	-31.0	-29.7	-28.9	
		30MHz	**-16dB MIN**	-20.8	-18.7	-20.7	-18.4	
		40MHz	**-13.5dB MIN**	-18.7	-16.4	-18.7	-16.3	
		50MHz	**-11.6dB MIN**	-17.0	-14.7	-17.0	-14.5	
		60MHz	**-10dB MIN**	-15.6	-13.3	-15.9	-13.1	
		80MHz	**-10dB MIN**	-13.2	-11.1	-13.7	-10.9	

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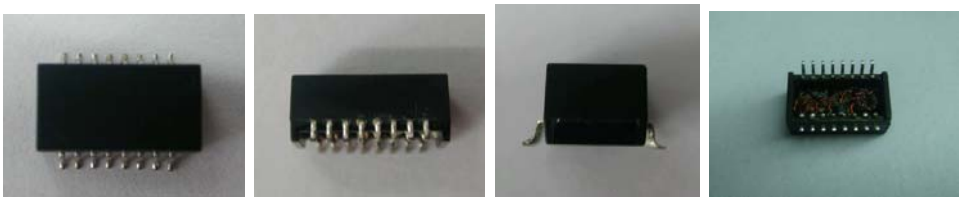
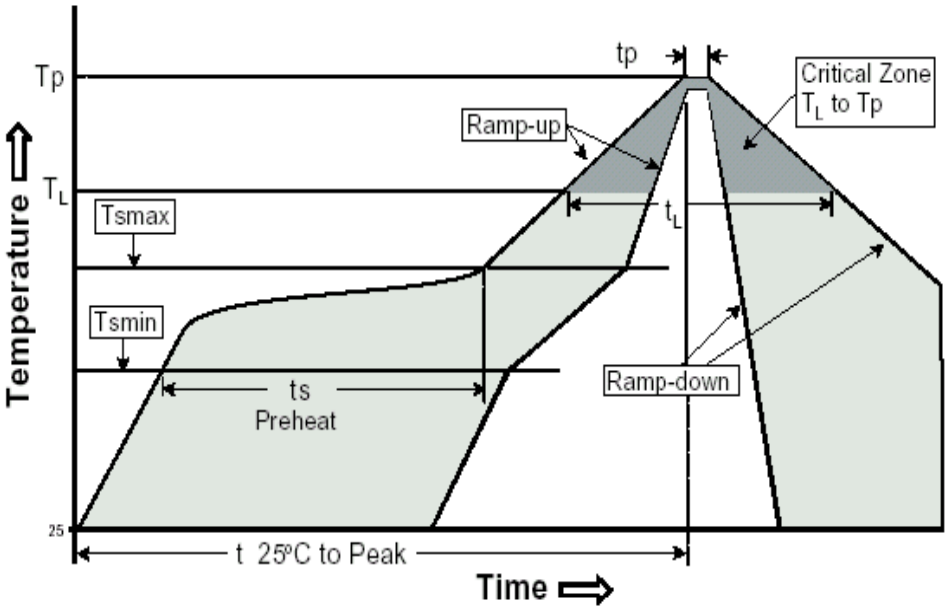
Our RoHS parts just can withstand IR Reflow peak temperature: 250degC+/-5degC as the following profile:





Profile Feature	Pb-Free Assembly
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 60-180 seconds
Time maintained above: -Temperature (T_L) -Time (t_L)	 217°C 60-150 seconds
Peak/Classification Temperature (Tp)	250±5°C
Time within 5°C of actual Peak Temperature (tp)	20-40 seconds
Ramp-Down Rate	6°C/seconds max
Time 25°C to Peak Temperature	8 minutes max.

Environmental Specification

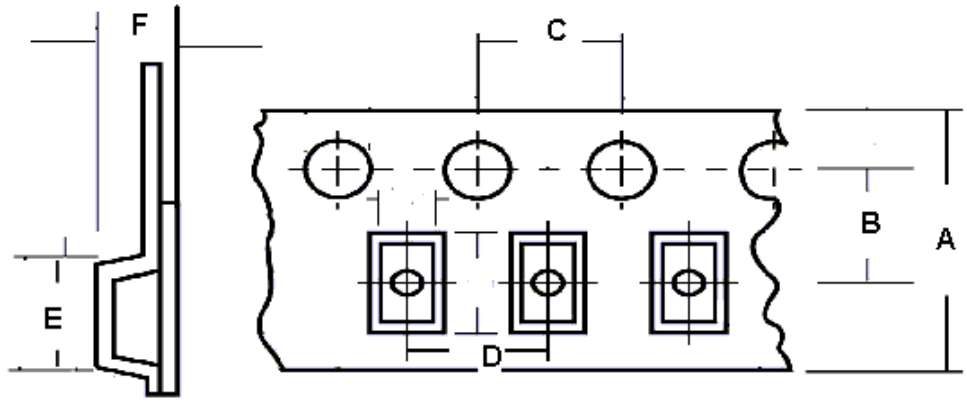
Temperature Cycle Test (air to air)
-This Products must be subjected to following conditions ; 1) 30 min at +70℃, 2) 15 sec
maximum at room temperature, 3) 30 min at –30℃, 4) 15 sec maximum at room temperature. Subject samples to ten (10) cycles.

Humidity Test
-This Products must be subjected to +85℃, 90% RH for 200 hours, and expose to room
temperature for 6 hours.

Storage Temperature Test
-This Products must be subjected to each temperatures at +85℃ and –40℃ for 96 hours and
expose to room temperature for 2 hours.

Packing Formation

Weight---------- grams/pcs
Tape & Reel-------700pcs(5pcs/ctn, G.W.: kg)



Tape Size(mm)					
A	B	C	D	E	F
24.0±0.30	11.50±0.1	4.00±0.1	16.0±0.10	9.9±0.10	6.05±0.10