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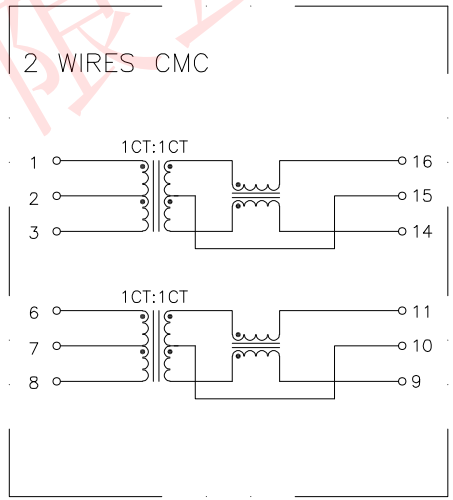
REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
A	ECN NO.	INITIAL RELEASED	2026.09.04	JASON

- RoHS compliant.
- Meets IEEE 802.3 specification
- Operation temperature:−40°C~+85°C.

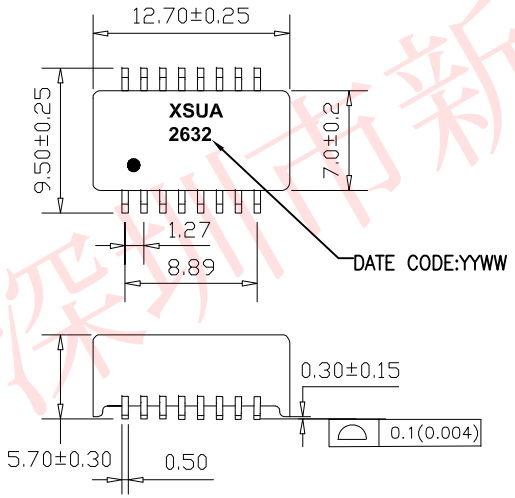
ELECTRICAL SPECIFICATIONS @ +25°C UNLESS OTHER SPECIFIED

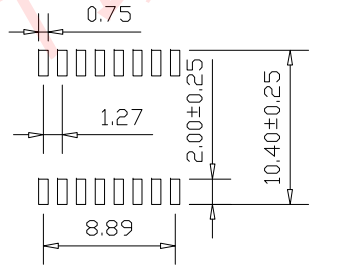
Inductance (OCL)	350 uH Min @ 100KHz/0.1V with 8mA DC Bias 25°C		
Hi−Pot	1500 Vrms, 1mA, 1Sec		
Turns Ratio	1.00 ± 2%		
DCR	1.20 OHM MAX		
Cw/w	28pF Typ @ 100KHz/0.1V		
Insertion Loss	1~100 MHz: −1.1 dB Max		
Return Loss	1~30 MHz	30~60 MHz	60~80 MHz
	−16 dB Min	−12 dB Min	−10 dB Min
Cross Talk	1~60 MHz	60~100 MHz	
	−42 dB Min	−35 dB Min	
CMRR	1~30 MHz	60 MHz	80~100 MHz
	−40 dB Min	−35 dB Min	−30 dB Min

SCHEMATIC

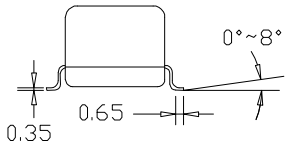


MECHANICAL





Recommended Land Pattern



P/N:121010−110001

MAGNETIC: 1:REEL

1:10/100BASE−T

Note: 1、Dimension: mm, 2.Unless otherwise specified, tolerances are: 0.15mm

TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	XSUA® 深圳市新升跃精密电子有限公司 SHENZHEN XINSHENGYUE PRECISION ELECTRONICS CO., LTD		
X.X ±0.30	X.° ±10°	PART NO. SEE P/N	TITLE: 16PIN 5.7高度 100M 两线 POE+ -40~+85℃		
.XX ±0.20	.X° ± 8°				
.XXX ±0.10	.XX° ± 5°	DESIGN: JASON	DRAWG NO. C−121010		
UNIT	mm	CHED: JASON		SCALE	SHEET	REV.
MATERIAL	---	APPD: ARAY		1:1	1/2	A
FINISH	---					

深圳市新升跃精密电子有限公司

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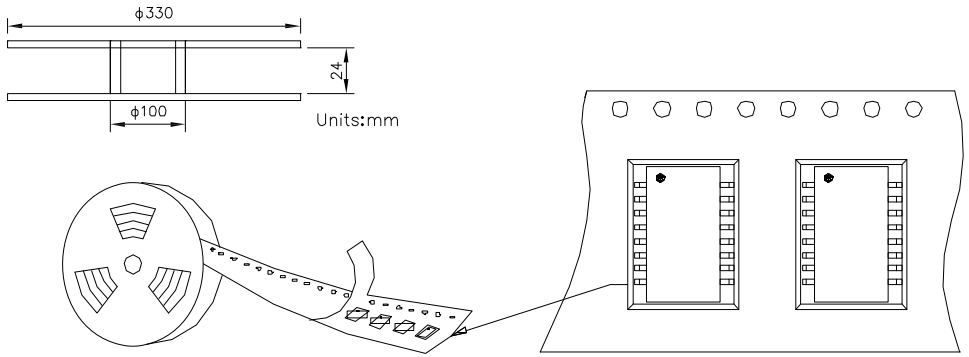
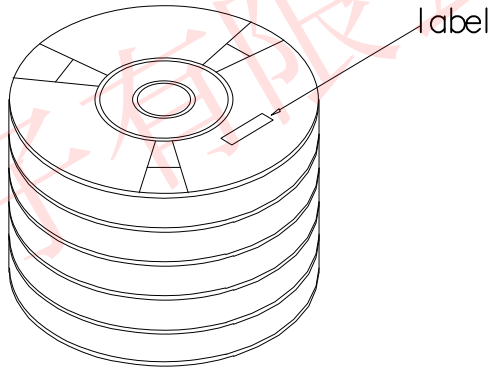
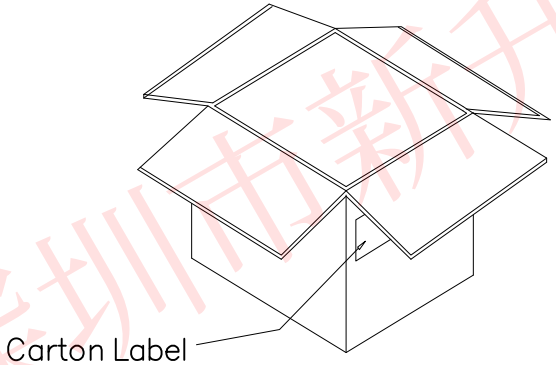
REV.	ECN NO.	DESCRIPTION	DATE	DESIGN
A	ECN NO.	INITIAL RELEASED	2026.09.04	JASON

PACKING SPECIFICATION





1. units/reel: 600PCS
2. reel/carton: 7PCS
3. units/carton: 4200PCS



EXPORT CARTON:367(L)x337(W)x235(H)

深圳市新升跃精密电子有限公司

TOLERANCE		NAME(INTENDED USE) CUSTOMER DRAWING	XSUA® 深圳市新升跃精密电子有限公司 SHENZHEN XINSHENGYUE PRECISION ELECTRONICS CO., LTD
X.X ±0.30	X.° ±10°	PART NO. SEE P/N	TITLE: 16PIN 5.7高度 100M 两线 POE+ -40~+85℃
.XX ±0.20	.X° ± 8°		
.XXX ±0.10	.XX° ± 5°	DESIGN: JASON	DRAWG NO. C-121010
UNIT	mm	CHED: JASON	SCALE 1:1 / SHEET 2/2 / REV. A
MATERIAL	---	APPD: ARAY	
FINISH	---		