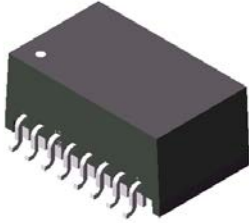




Feature



- ◆ POE UP TO 400MA IEEE 802.3 af/ANSI X3.263 performance
- ◆ Pb free Soldering Heat Withstanding
- ◆ Designed for IP phone or switch applications
- ◆ Some models offer Auto MDIX capability
- ◆ Insulation resistance: 10,000MΩ.
- ◆ Operating temperature range : 0°C to +70°C.
- ◆ Storage temperature range: 0°C to +125°C.

Electrical Specifications @ 25°C

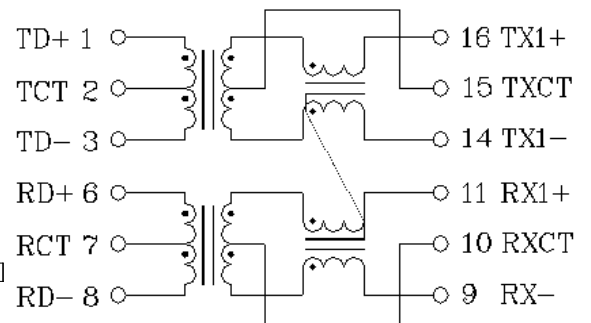
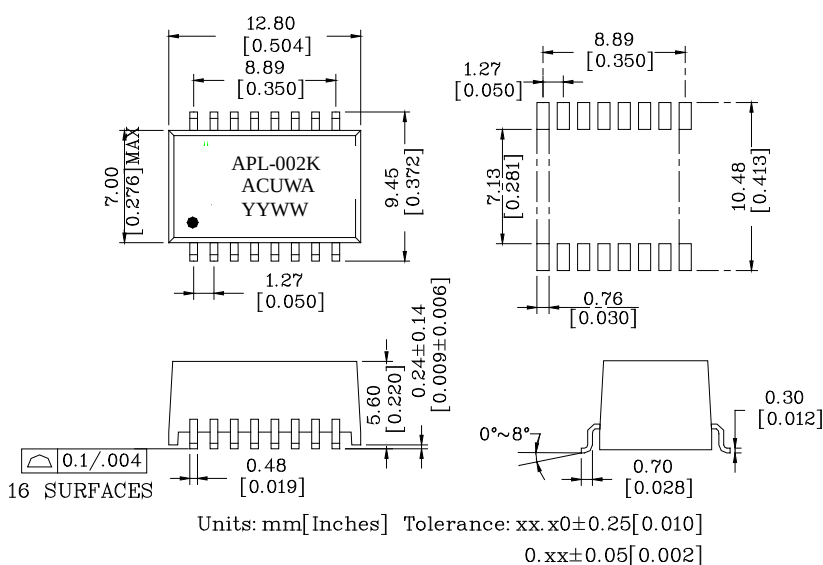
Part Number	Turns Ratio	OCL(uH Min) 100KHz/0.1V with 8mA/DC Bias	HI-POT (Vrms)	Cross talk (dB Min)	
				60MHz	100MHz
YH-16S04BR	1CT:1CT	350	1500	-40	-35

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				DCMRR (dB Min)		
	1-100 MHz	1-30MHz	40MHZ	50MHZ	60-80MHZ	30MHz	60MHz	100MHz
YH-16S04BR	-1.2	-16	-14	-13	-12	-43	-37	-33

Mechanical

Schematic

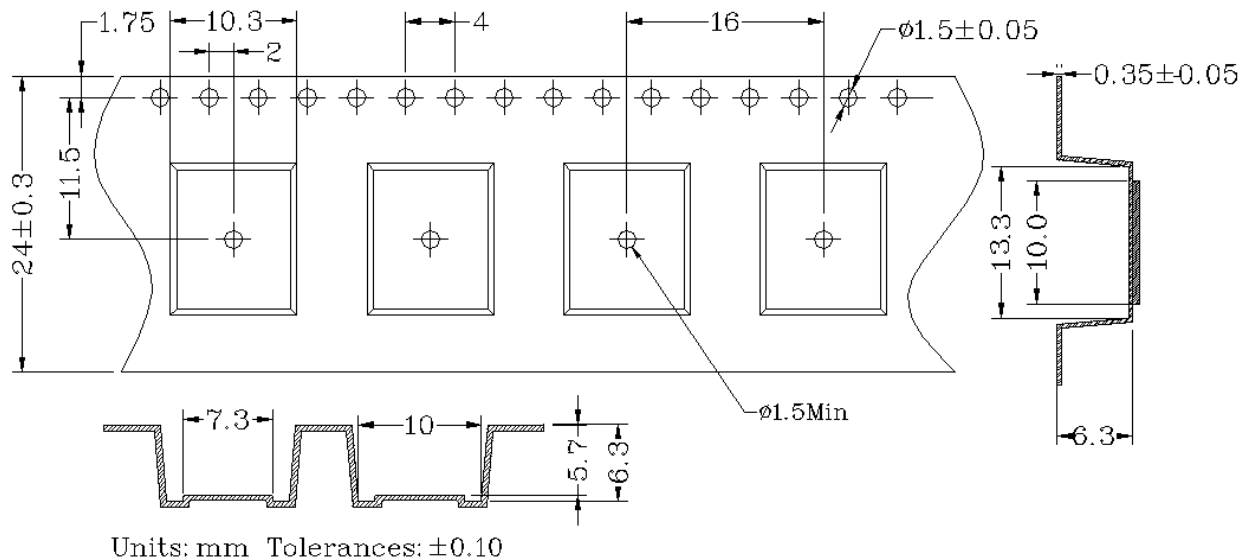


REEL W/DIM 12.8(L)×7.0(W)×6.3(H)

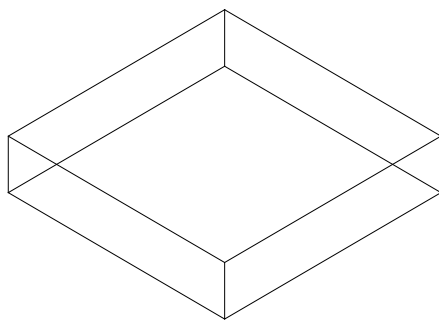


P/N: YH-16S04BRATA SHEET (REFERENCE APL-002K1)

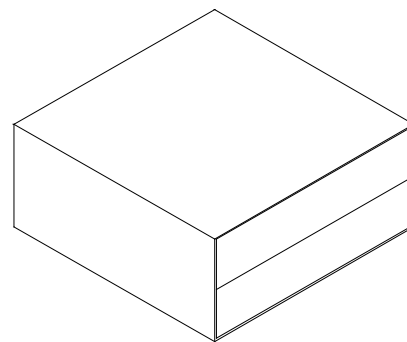
Page 1 of 1



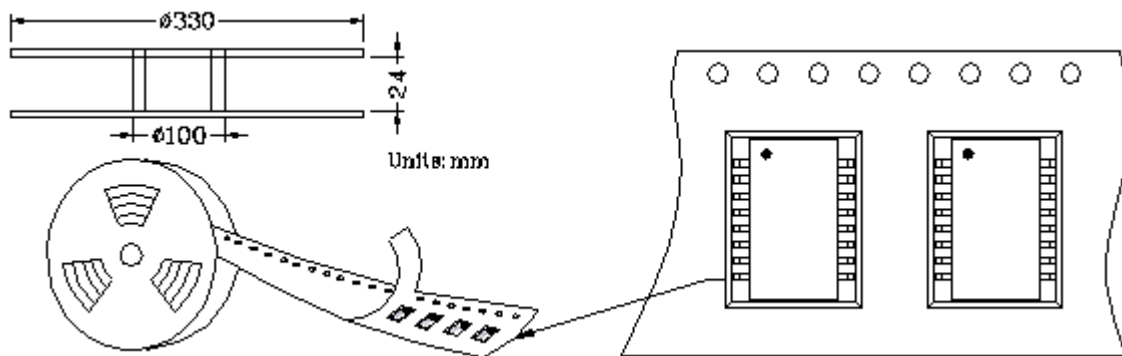
REEL MECHANICAL DIMENSION



INNER CARTON: $34(L) \times 34(W) \times 7.6(H)$



EXPORT CAPTON: $36(L) \times 36(W) \times 15.6(H)$



1. ONE ROLL: 700PCS
2. TWO ROLL BOX 1400PCS
3. TWO BOX CARTON: 2800PCS

Approved by. :

Checked by. :

Prepared by :

SAMPLES TEST REPORT



Page :2/3

PART NO.		APL-002K1		DATE					2013/11/25				
DESCRIPTION		10/100BASE-TX TRANSFORMER											
ITEM	TEST EQUIPMENTS	TEST CONDITION @ 25℃	SAMPLES NO. TEST PIN	1	2	3	4	5	SPECIFICATION				
									Min	Typ	Max		
OCL (uH MIN)	3250	100KHz/0.1V with 8mA DC BIAS	1-3=16-14	165	418	562	392	481	350				
			6-8=11-9	498	465	526	428	513					
HI-POT(Vrms)	GPI-5005T	1500Vrms	PRI/SEC	PASS	PASS	PASS	PASS	PASS	1S				
Cross Talk (dB MIN)	8711/8712	60 MHz	TX OR RX	-47.2	-49.6	-48.3	-47.5	-46.7	-40				
		100 MHz	TX OR RX	-41.8	-41.6	-41.3	-40.5	-39.5	-35				
TURN RATIO	CA8120A	1MHz/sine wave	1-3:16-14	0.999	1.000	1.001	1.001	0.999	1CT:1CT				
			6-8:11-9	1.000	0.999	0.999	1.000	1.001					
Insertion Loss (dB MAX)	8711/8712	1-100 MHz	1-3 TO 16-14	-0.38	-0.51	-0.45	-0.49	-0.42	-1.2				
			6-8 TO 11-9	-0.36	-0.55	-0.52	-0.47	-0.47					
Return Loss(dB MIN)	8711/8712	1-30 MHz	1-3 TO 16-14	-25.6	-25.1	-24.9	-26.0	-25.9	-16				
			6-8 TO 11-9	-25.8	-25.6	-25.3	-26.3	-25.2					
		40 MHz	1-3 TO 16-14	-19.6	-20.5	-18.3	-18.8	-20.3	-14				
			6-8 TO 11-9	-20.5	-19.6	-20.2	-18.9	-21.2					
		50 MHz	1-3 TO 16-14	-17.8	-18.3	-17.1	-17.5	-18.2	-13				
			6-8 TO 11-9	-17.9	-18.2	-18.5	-17.5	-18.6					
		60-80 MHz	1-3 TO 16-14	-14.8	-15.6	-16.1	-15.9	-15.2	-12				
			6-8 TO 11-9	-15.3	-14.8	-13.8	-15.5	-14.6					
		DCMRR (dB MIN)	8711/8712	30 MHz	1-3 TO 16-14	-54.3	-51.9	-52.9	-53.6	-52.1	-43		
					6-8 TO 11-9	-54.1	-51.4	-53.7	-52.6	-53.6			
60 MHz	1-3 TO 16-14			-45.5	-42.9	-44.1	-45.2	-43.6	-37				
	6-8 TO 11-9			-44.5	-42.8	-45.1	-44.7	-43.7					
100 MHz	1-3 TO 16-14			-37.8	-36.9	-38.5	-39.1	-38.7	-33				
	6-8 TO 11-9			-36.8	-38.2	-38.1	-37.6	-37.6					



YONGCHENG

SPECIFICATION FOR APPROVAL

DATE:NOV 25, 2013

SAMPLE Q'TY 11 PCS

CUSTOMER : ACUWA

CUSTOMER P/N: APL-002K1

YONGCHENG P/N : YH-16S04BR

DESCRIPTION : 10/100 BASE-TX TRANSFORMER

APPROVED SIGNATURES	
YONGCHENG APPROVED SIGNATURES	CUSTOMER APPROVED SIGNATURES
APPROVED BY: LiaoZongCheng	APPROVED BY:
DATE: 2013/11/25	DATE:
APPROVED No. :	APPROVED No. :

(ZUNYI)YONGCHENG ENTERPRISE INC.

LanGongShan,ZunYi City,GuiZhou,China

Tel: 0852-3162322 13087896733 Fax: 0852-3162322 E-mail<lzc0818@163.com>