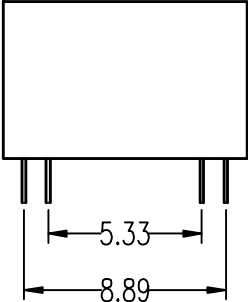
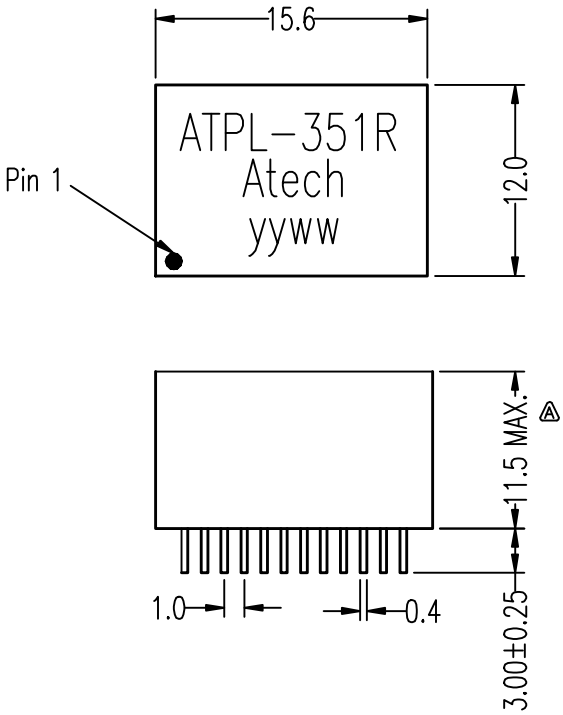
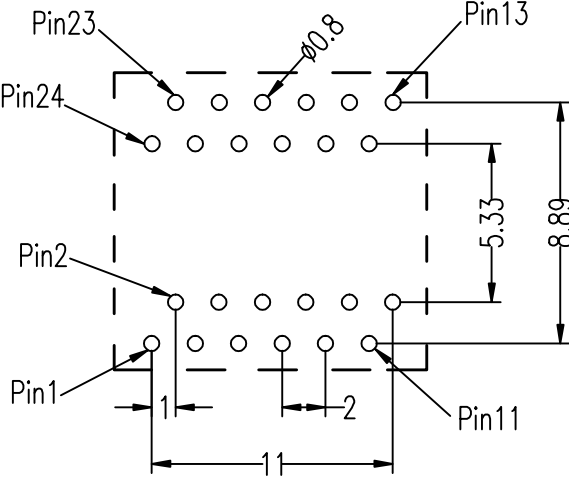


Mechanical Dimensions :



DIP Pad Dimensions : (TOP VIEW)

Hole Size



RECOMMENDED
PAD LAYOUT

						AOEM		TITLE 10/100/1000 BASE-TX TRANSFORMER	
								DWG. NO. ATPL-351R	
A	CHANGE DIM.	12/06/2011	SHIRLEY	BETTY	BETTY	UNITS:	SAFETY		SHEET 1 of 3
	RELEASE	10/25/2011	SHIRLEY	BETTY	BETTY	M/M			
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE	P/N:	DRAW SHIRLEY	
REVISIONS						10/25/11			

OPERATING TEMPERATURE : $-0^{\circ}\text{C}\sim+70^{\circ}\text{C}$

STORAGE TEMPERATURE : $-20^{\circ}\text{C}\sim+85^{\circ}\text{C}$

ELECTRICAL SPECIFICATIONS @ 25°C

TURN RATIO : 1CT : 1CT(TX)/1CT : 1CT(RX)

OPEN CIRCUIT INDUCTANCE : 350uH MIN @100KHz,100mV,8 mA DC BIAS

INSERTION LOSS (TX/RX) : -1.0dB max (1~100MHz)

RETURN LOSS (TX/RX) : -18dB min(1~30MHz)

-12dB min (60MHz)

-10dB min(80MHz)

COMMON MODE REJECTION (TX/RX) : -40dB min(1~30MHz)

-35dB min(60MHz)


-30dB min (80~100MHz)

CROSS TALK : -40dB min(1~30MHz)

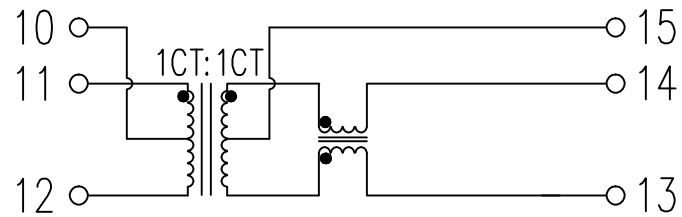
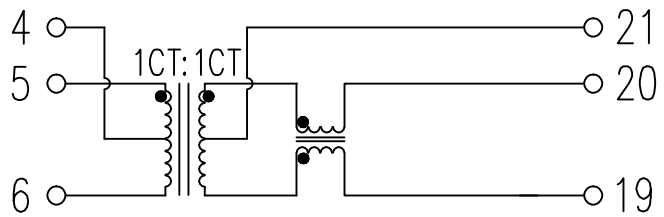
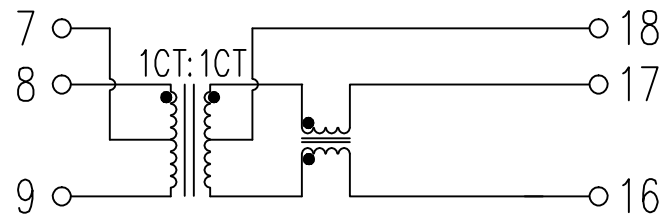
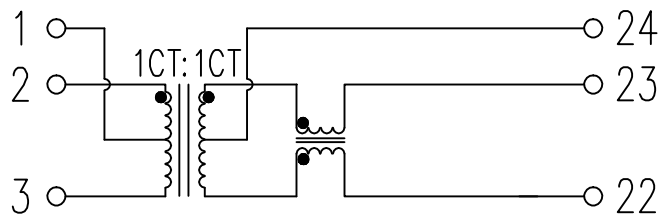
-35dB min(60MHz)

-30dB min(80~100MHz)

ISOLATION(PRIMARY/SECONDARY) : 1500 Vrms For 2sec,1mA Leakage Current

								TITLE 10/100/1000 BASE-TX TRANSFORMER
A	CHANGE DIM.	12/06 /2011	SHIRLEY	BETTY	BETTY	UNITS: M/M		DWG. NO. ATPL-351R
	RELEASE	10/25 /2011	SHIRLEY	BETTY	BETTY	SAFETY		SHEET 2 OF 3
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 10/25/11	P/N:	DRAW SHIRLEY
REVISIONS								

Circuit Schematic :



						AOEM		TITLE 10/100/1000 BASE-TX TRANSFORMER	
								DWG. NO. ATPL-351R	
A	CHANGE DIM.	12/06/2011	SHIRLEY	BETTY	BETTY	UNITS: M/M		SAFETY	
	RELEASE	10/25/2011	SHIRLEY	BETTY	BETTY	DATE 10/25/11		SHEET 3 OF 3	
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 10/25/11		DRAW SHIRLEY	
REVISIONS									