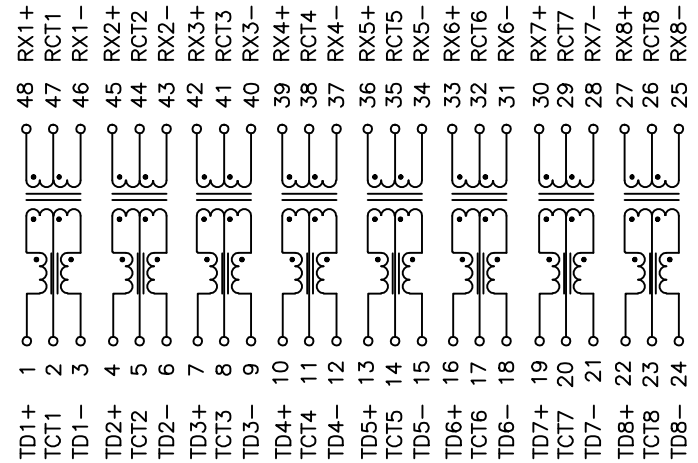


SUGGESTED PCB LAYOUT



ELECTRICAL CHARACTERISTICS:

- TURN RATIO : TX = 1CT : 1CT ±3%
RX = 1CT : 1CT ±3%
- OCL(@100KHZ,0.1Vrms W/H 8mA/DC BIAS) : 350uH MIN.
(@100KHz, 0.1Vrms W/H 18.3mA DC BIAS : 120uH MIN.)
- Cw/w : 28pF MAX.
- LL : 0.5uH MAX.
- DCR : RX : 0.9Ω MAX. , TX : 1.2Ω MAX.
- DCR IMBALANCE : ±0.065Ω
- INSERTION LOSS : 300KHz : -1.1dB MAX.
1-125MHz : -0.2-0.002 f 1.4dB MAX.
- CROSS TALK ATTENUATION : 30 MHz = -43dB MIN.
60 MHz = -37dB MIN.
100 MHz = -33dB MIN.
- RETURN LOSS : 30MHz = -18dB MIN. / 60MHz = -12dB MIN.
80MHz = -12dB MIN. / 100MHz = -10dB MIN.
- DCMR(dB MIN.) : 2MHz = -50dB MIN.
30-200MHz = -15+20*Log₁₀(f/200) dB MIN.
- CCMR(dB MIN.) : 30MHz 60MHz 100MHz 200MHz
-40 -35 -30 -25
- HI-POT : 1.5KVrms
- OPERATING TEMPERATURE RANGE : -40°C ~ +85°C
- RoHS COMPLIANT

UNLESS OTHERWISE SPECIFIED ALL TOLERANCES ARE XX.XX±0.25 0.XX±0.05

							TITLE 10/100/1000 BASE-T TRANSFORMER	
							DWG. NO. ATPL-454R	
RELEASE		03/05/2013	SHIRLEY	BETTY	BETTY	UNITS: M/M	SAFETY	SHEET 1 of 1
NO:	DESCRIPTION	DATE	BY	CHK	APPD	DATE 03/05/13	P/N:	DRAW SHIRLEY
REVISIONS								