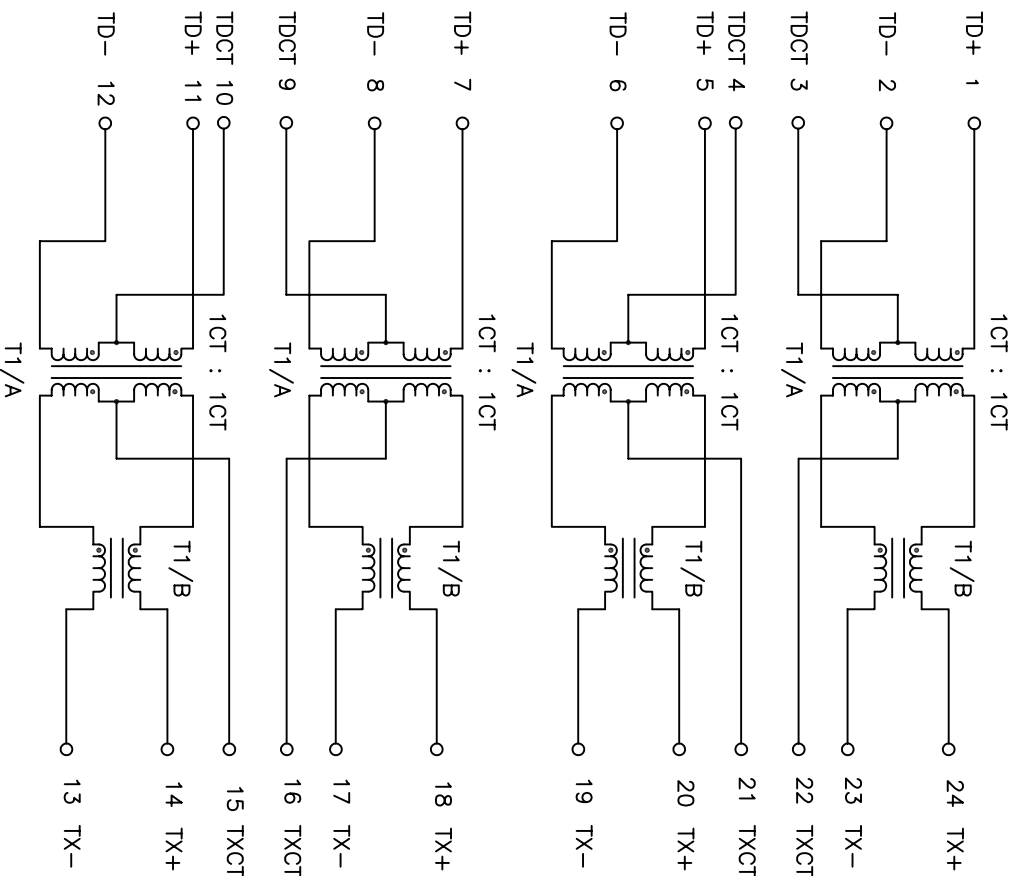




SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS	
	0°C – 70 °C	
OPERATING TEMP	1 : 1 ±2%	
TURNS RATIO	PER SCHEMATIC	
POLARITY	100 KHz	
INSERTION LOSS	100 KHz	1–125 MHz
	–1.2 dB MAX	–0.2–0.002*f ^{1.4} dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1–40 MHz	40–100 MHz
	–16 dB MIN	–10+20*LOG ₁₀ (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C–70°C)	350 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS) (AND WITH 8 mA DC BIAS)
	1 MHz	10–100 MHz
CROSSTALK, ADJACENT CHANNELS	–50 dB MIN	–55+22*LOG ₁₀ (f/10) dB MIN
	2 MHz	30–200 MHz
COMMON MODE REJECTION RATIO	–42 dB MIN	–15+20*LOG ₁₀ (f/200) dB MIN
	DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.

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PULSE CONFIDENTIAL
&
PROPRIETARY

PRODUCT DESCRIPTION
MDL,SIN,1GD,1:1,SM,TU

PS DRAWING
PS–2422.001–B

SHEET:
2

DWG. NO./ PART NO.
H5120NL

REV.
M13