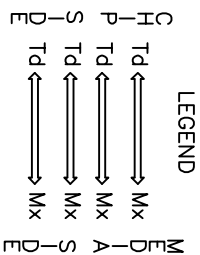


SCHEMATIC



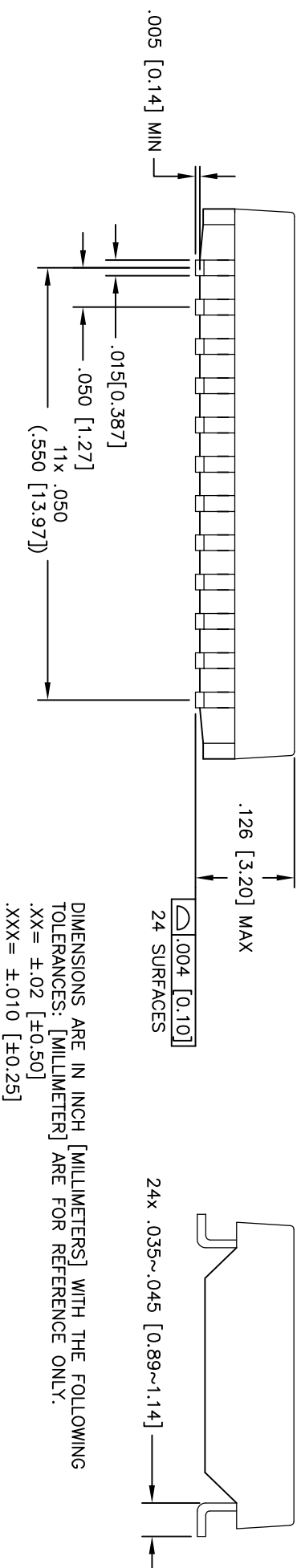
ALL CHANNELS ARE
IN-PHASE BETWEEN
INPUT AND OUTPUT

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C ~ +85°C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
RETURN LOSS (Z OUT = 100 OHM ±15%)	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX
	.1-40 MHz	40-100 MHz
INDUCTANCE (OCL) 100 KHz, 100 mVRMS @ 8 mA DC BIAS	-16 dB MIN	-10+20*LOG ₁₀ (f/80 MHz) dB MIN
	360 uH MIN @ 25 °C	
CROSSTALK, ADJACENT CHANNELS	300 uH MIN @ -40°C AND +85°C	
	1 MHz	10-100 MHz
	-50 dB MIN	-55+22*LOG ₁₀ (f/10) dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz
	-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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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATSHEET REV.
MDL,SIN,1GD,1:1,SM,TU	HX5149NL-10	PS-2523.002-A	2 OF 3	HX5149NL	A



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