



THE DATASHEET OF HX4019NL



E) WITH FLAMMABILITY

0 +125°C

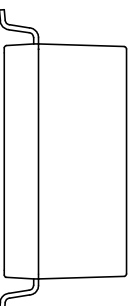
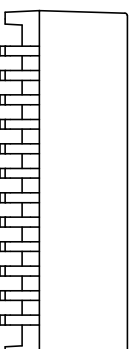
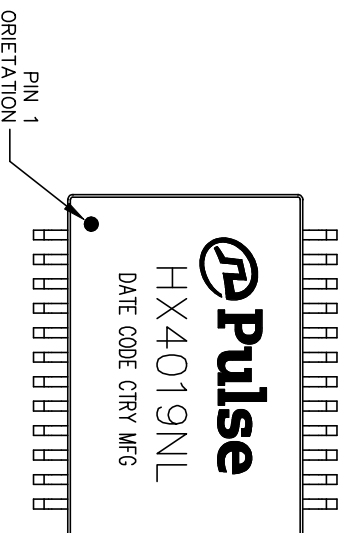
ILITY AT 250°C REFLOW PROFILE

MOISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER

NG ADD A "T" SUFFIX

NL BECOMES HX4019NLT).



FINAL OUTLINE

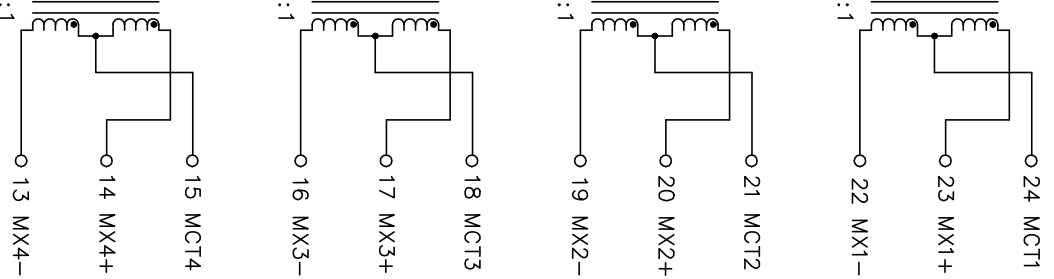
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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX4019NL-10	PS-2473.001-B	1 OF 4	HX4019NL	D

SEELECTRONICS.COM(Asia) PHONE:USA: 858 674 8100, GERMANY: 49 7032 78060, SINGAPORE: 65 6287 8998, SHANGHAI: 86 21 62787060, TAIWAN: 886 3 4356768

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

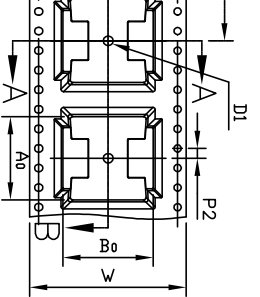
PARAMETER	SPECIFICATIONS	
OPERATING TEMPERATURE	-40°C TO +85°C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS (SDD21&SDD12)	1-50 MHz	50-125 MHz
	-0.5 dB MAX	-1.0 dB MAX
PHY-SIDE RETURN LOSS (SDD11 - Zref = 100 OHMS ± 1%)	1 MHz-40 MHz	40 MHz-200 MHz
	-20 dB MIN	-20+15*LOG ₁₀ (f/40) dB MIN
LINE-SIDE RETURN LOSS (SDD22 - Zref = 100 OHMS ± 1%)	1 MHz-40 MHz	40 MHz-200 MHz
	-20 dB MIN	-20+15*LOG ₁₀ (f/40) dB MIN
INDUCTANCE (OCL)	150 uH MIN @ 100 KHz, 100 mV WITH 9 mA DC BIAS	
CROSS-TALK, ADJACENT CHANNELS (SDD21 - ADJ.)	1-125 MHz	
	-30 dB MIN	
COMMON MODE REJECTION RATIO (SCC21)	30 MHz-200 MHz	
	-30 dB MIN	
COMM. TO DIFF. REJECTION RATIO (SDC12)	10 MHz-125 MHz	
	-45+f/35 dB MIN	
DC CURRENT/ VOLTAGE RATING	600 mA MAX @ 57 V (CONTINUOUS)	
	60W MAX OVER 4 PAIRS @ 50 V	
POE POWER (REF)	4000 V MIN.	
IMPULSE	3000 VRMS MIN @ 60 SECONDS	
INPUT - OUTPUT ISOLATION		



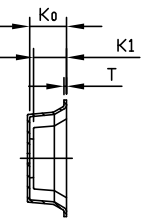
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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
XX4019NL-10	PS-2473.001-B	2 OF 4	HX4019NL	D
SEELECTRONICS.COM(Asia)	PHONE:USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768			

SECTION OF FEED

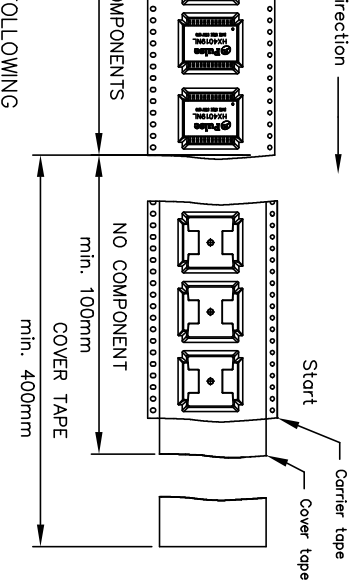


SECTION A-A

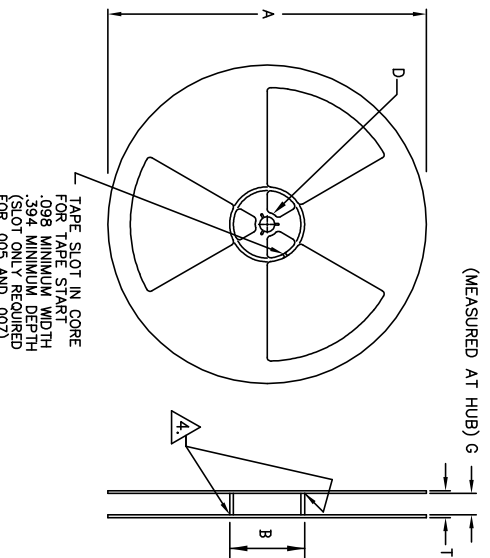


SECTION B-B

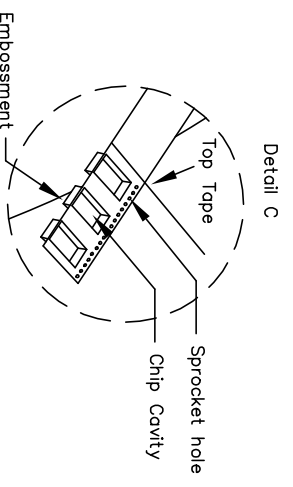
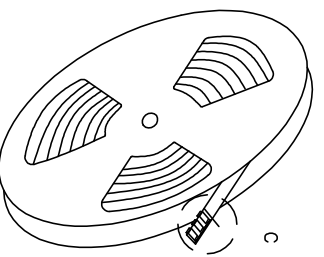
P	F	E	SO	Do	D1	Po	P2	T
24.00	14.2	1.75	28.4	1.50	2.0mm	4.00	2.00	0.50
±0.10	±0.15	±0.10	±0.10	±0.00	±0.00	±0.10	±0.10	±0.05



FOLLOWING



	A	B	D	T	G	G
Tolerance		min.	min.	max.	min.	max.
Tape width mm	330.00	100.00	20.20	38.4	32.4	34.4





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