



# THE DATASHEET OF HX5G1010NL



E) WITH FLAMMABILITY  
 BETTER.

R BETTER.

O +125°C

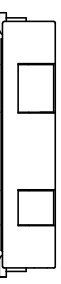
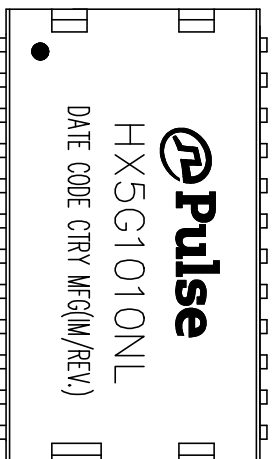
ITY AT 245°C REFLOW PROFILE

O MOISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER

NG ADD A "T" SUFFIX

10NL BECOMES HX5G1010NLT).



FINAL OUTLINE

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX5G1010NLT-X1	PS-2422.001-C	1 OF 3	HX5G1010NLT	A

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

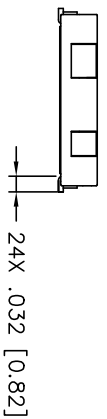
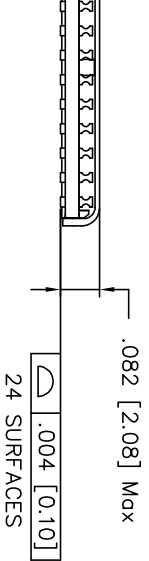
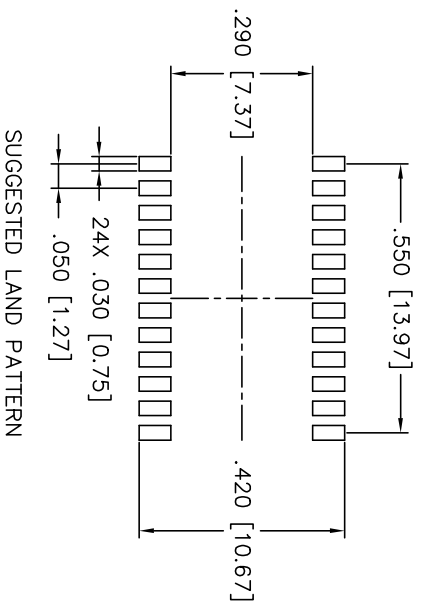
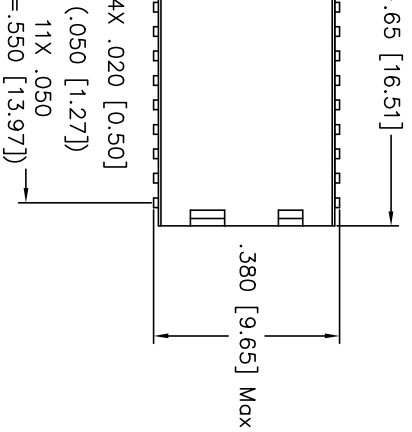
PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	-40°C TO +85°C		
TURN'S RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS (SDD21&SDD12)	1-50 MHz	50-125 MHz	125-250 MHz
	-0.8 DB MAX	-1.2 DB MAX	-2.0 DB MAX
PHY-SIDE RETURN LOSS (SDD11 - Zref = 100 OHMS ± 1%)	1 MHz-40 MHz	40 MHz-250 MHz	
	-20 DB MIN	-20+15*LOG <sub>10</sub> (f/40) DB MIN	
LINE-SIDE RETURN LOSS (SDD22 - Zref = 100 OHMS ± 1%)	1 MHz-40 MHz	40 MHz-250 MHz	
	-20 DB MIN	-20+15*LOG <sub>10</sub> (f/40) DB MIN	
INDUCTANCE (OCL)	120 uH MIN @ 100 KHZ, 100 mV WITH 10.5 mA DC BIAS		
	1-100 MHz	100-250 MHz	
CROSSTALK, ADJACENT CHANNELS (SDD21 - ADJ.)	-30 DB MIN	-20 DB MIN	
	1 MHz-100 MHz	100MHz-250MHz	
COMMON MODE REJECTION RATIO (SCC21)	-28 DB MIN	-25 DB MIN	
	600 mA MAX AT 57V		
DC CURRENT CARRING CAPABILITY	1500 VRMS MIN @ 60 SECONDS		
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS		

NOTE: f IS FREQUENCY IN MHZ.

○ 23 TX+
○ 24 TXCT
○ 22 TX-
○ 20 TX+
○ 21 TXCT
○ 19 TX-
○ 17 TX+
○ 18 TXCT
○ 16 TX-
○ 14 TX+
○ 15 TXCT
○ 13 TX-
T

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
X5G1010NL-X1	PS-2422.001-C	2 OF 3	HX5G1010NL	A



WITH THE FOLLOWING  
REFERENCE ONLY.


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TLA DRAWING HX5G1010NL-X1	PS DRAWING PS-2422.001-C	SHEET 3 OF 3	PART NO. HX5G1010NL	DATASHEET REV. A
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