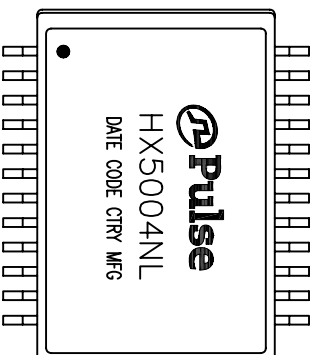




THE DATASHEET OF HX5004NL





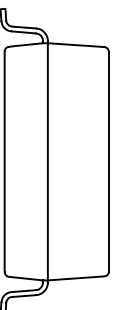
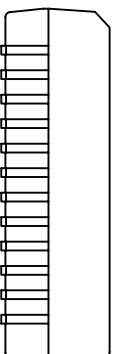
ABILITY
+125°C

TY AT 245°C REFLOW PROFILE
OISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER

NG ADD A "T" SUFFIX

NL BECOMES HX5004NLT).

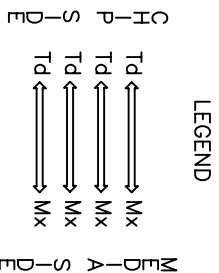


FINAL OUTLINE

All rights reserved. Pulse confidential & proprietary. (12/17/14)

TLA DRAWING HX5004NL-12	PS DRAWING PS-0018.001-C	SHEET 1 OF 3	PART NO. HX5004NL	DATASHEET REV. A
----------------------------	-----------------------------	-----------------	----------------------	---------------------

- 24 MCT1
- 23 MX1+
- 22 MX1-
- 21 MCT2
- 20 MX2+
- 19 MX2-
- 18 MCT3
- 17 MX3+
- 16 MX3-
- 15 MCT4
- 14 MX4+
- 13 MX4-



ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT

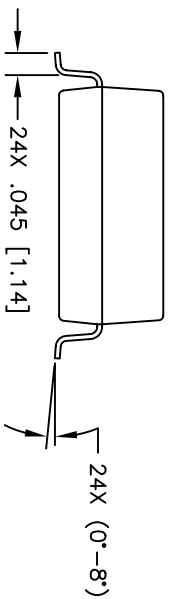
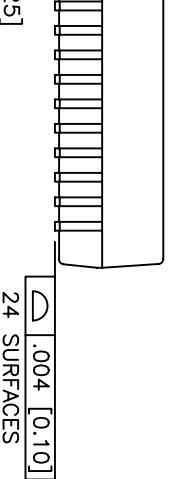
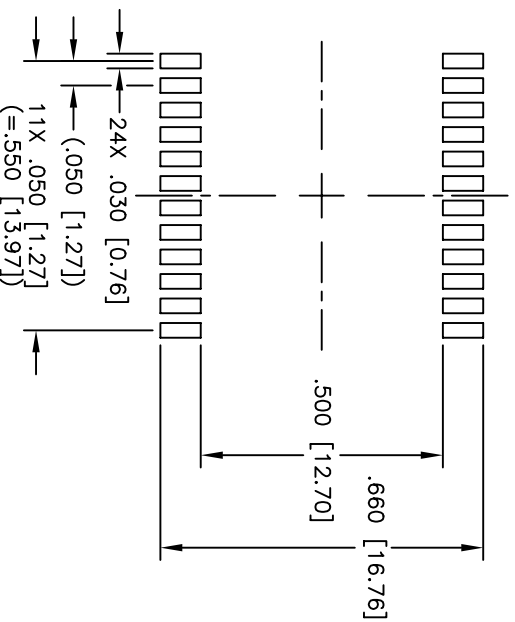
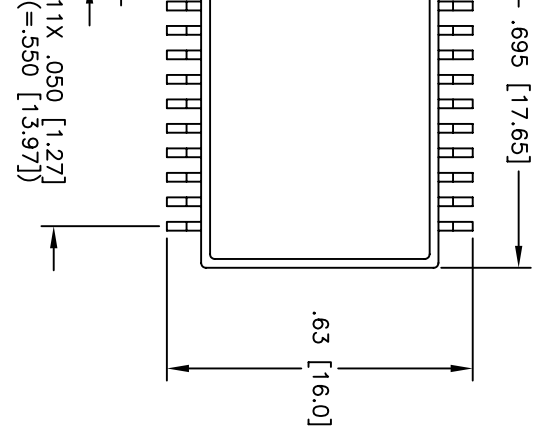
NOTE: f IS FREQUENCY IN MHZ.

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C - +85°C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
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, -40°C, +85°C)	350 uH MIN (MEASURED AT 100 KHZ, 100 mV RMS)	
	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	-50 DB MIN	-15+20*LOG ₁₀ (f/200) DB MIN
	.65 OHMS MAX	
DC RESISTANCE, 1/2 WINDING		
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

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

All rights reserved. Pulse confidential & proprietary. (12/17/14)

TITLE DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX5004NL-12	PS-0018.001-C	2 OF 3	HX5004NL	A



WITH THE FOLLOWING REFERENCE ONLY.

All rights reserved. Pulse confidential & proprietary. (12/17/14)

TLA DRAWING
 HX5004NL-12

PS DRAWING
 PS-0018.001-C

SHEET
 3 OF 3


PART NO.
 HX5004NL

DATASHEET REV.
 A

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View HX5004NL on WIN SOURCE](#)

 [Pulse Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management