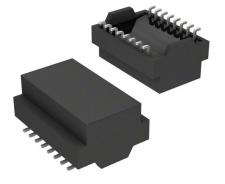


HX2326FNL Datasheet

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HX2326FNL-D
Pulse Electron
HX2326FNL
PULSE XFMR 1
120µН, 350µН er 1CT:1CT Tra ount

G

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CT:1CT TX/RX

LAN 10/100 Base-T Pulse Transform ansmitter, 1CT:1CT Receiver Surface M

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Purchase and inquiry

Manufacturer Product Number:	Manufacturer:
HX2326FNL	Pulse Electronics
Series:	Product Status:
-	Active
Transformer Type:	Inductance:
LAN 10/100 Base-T	120µН, 350µН
ET (Volt-Time):	Turns Ratio - Primary:Secondary:
	1CT:1CT Transmitter, 1CT:1CT Receiver
Mounting Type:	Size / Dimension:
Surface Mount	0.500" L x 0.358" W (12.70mm x 9.09mm)
Height - Seated (Max):	Operating Temperature:
0.236" (5.99mm)	-40°C ~ 85°C
Weight:	

Environmental & Export classification

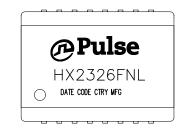
RoHS Status:	Moisture Sensitivity Level (MSL):
RoHS Compliant	1 (Unlimited)
REACH Status:	ECCN:
REACH Unaffected	EAR99
HTSUS:	
8504.31.2000	

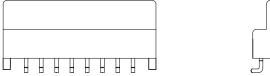


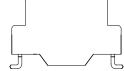


NOTES:

- 1. ROHS COMPLIANT
- 2. HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
- 3. STORAGE TEMPERATURE: -50°C TO +125°C
- 4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
- 5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX
 - TO THE PART NUMBER(i.e HX2326FNL BECOMES HX2326FNLT).







FINAL OUTLINE

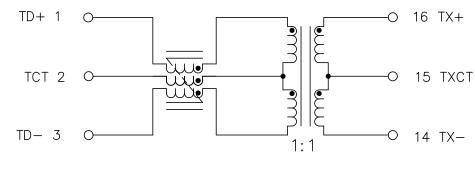
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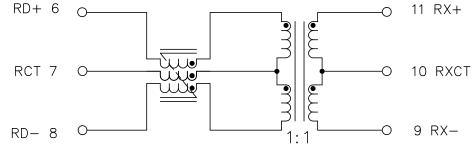
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100PP,1:1,SMT	HX2326FNL-11	PS-2005.002-F	1 OF 3	HX2326FNL	А

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SCHEMATIC

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

PARAMETER		SPECIFICATIONS	
OPERATING TEMP	-40°C TO +85°C		
TURNS RATIO	1.00 ± 2%		
POLARITY		PER SCHEMATIC	
	100 KHz	1—125 M⊦	lz
INSERTION LOSS	-1.2 dB MAX	-0.2-0.002*f ^{^1.4}	dB MAX
RETURN LOSS, 1000BT	.1-30 MHz	30-60 MHz	60-80 MHz
$(Z \text{ OUT} = 100 \text{ OHM } \pm 15\%)$	-16 dB MIN	-10+20*LOG ₁₀ (f/60 MHz) dB MIN	-10 dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, AT 100KHz, 0.1Vac -40°C ~ +85°C)		WITH 8mA DC BIAS WITH 19mA DC BIAS	
	1 MHz	10-100 MH	Ηz
CROSSTALK, ADJACENT CHANNELS	-50 dB MIN	-55+22*LOG ₁₀ (f/10) dB MIN
	2 MHz	30-200 M	Hz
COMMON MODE REJECTION RATIO	-45 dB MIN	-7+28*LOG ₁₀ (f/2	00) dB MIN
DC RESISTANCE, 1/2 WINDING	.75 OHMS MAX		
DC RESISTANCE IMBALANCE	±.065 OHMS	S MAX (CENTER TAP	SYMMETRY)
DC CURRENT/VOLTAGE RATING – PSE PINS	600 m	A, @ 57 V (CONTINU	OUS)
INPUT – OUTPUT ISOLATION	1500 VRMS MIN AT 60 SECONDS		

NOTES: f IS FREQUENCY IN MHz.

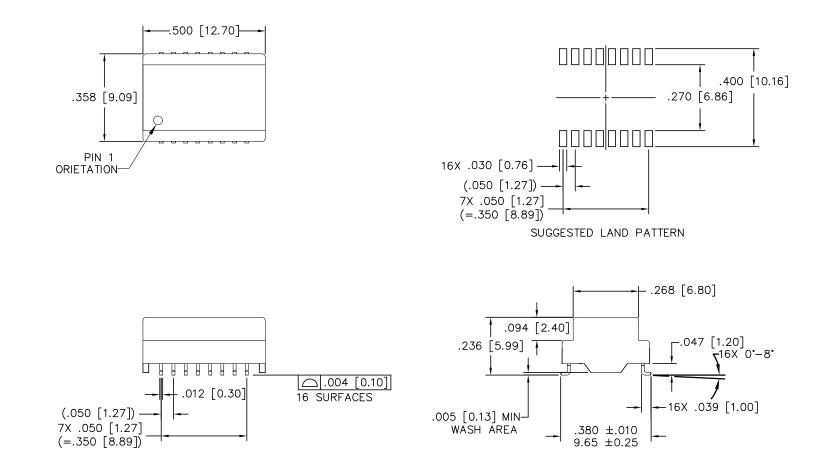
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100PP,1:1,SMT	HX2326FNL-11	PS-2005.002-F	2 OF 3	HX2326FNL	A

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DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY. .XX= \pm .01 [\pm 0.25] .XXX= \pm .005 [\pm 0.13]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100PP,1:1,SMT	HX2326FNL-11	PS-2005.002-F	3 OF 3	HX2326FNL	А

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