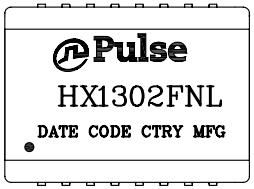
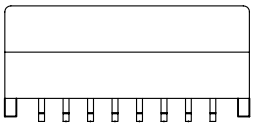
RoHS COMPLIANT

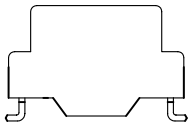
Pulse Electronics
www.pulseelectronics.com

NOTES:

1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) 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 HX1302FNL BECOMES HX1302FNLT).





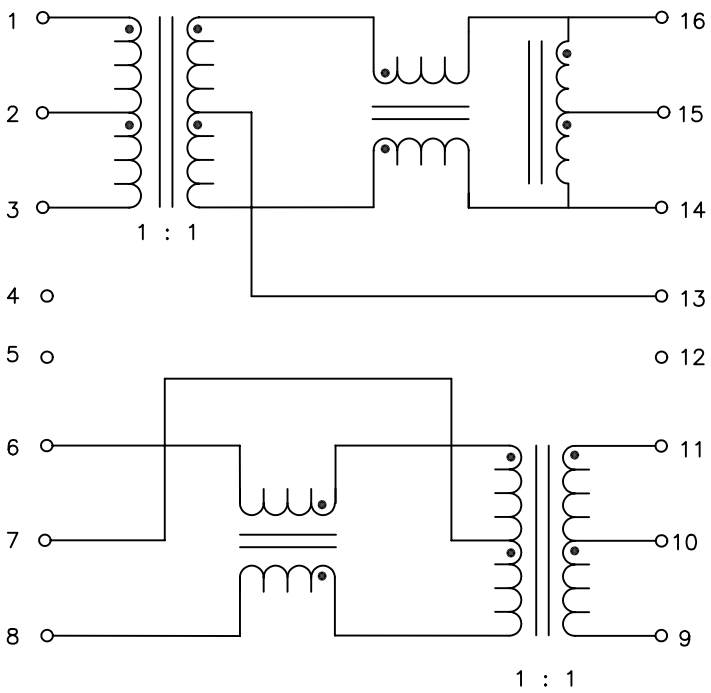


FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	HX1302FNL-10	PS-2005.002-D	1 OF 3	HX1302FNL	A

E-MAIL: PRODINFONETWORK@PULSEELECTRONICS.COM(US), ASIA@PULSEELECTRONICS.COM(Asia) PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768



SCHEMATIC

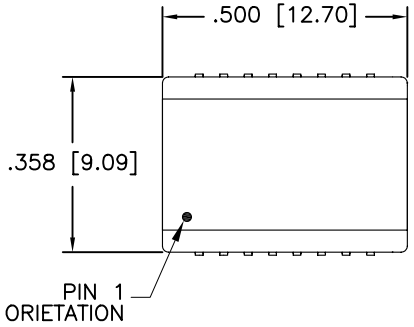
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

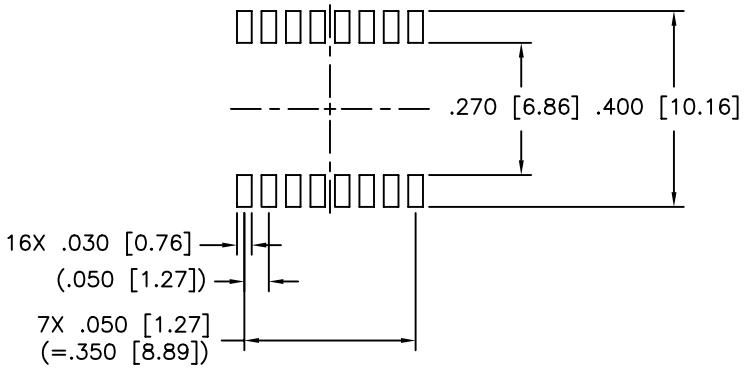
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	−40°C ~ +85°C		
TURNS RATIO	1 : 1 ± 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, 1000BT (Z OUT = 100 OHM ±15%)	.1−30 MHz	30−60 MHz	60−80 MHz
	−16 dB MIN	$-10+20*\text{LOG}_{10}$ (f/60 MHz) dB MIN	−10 dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, −40°C~+85°C)	350 uH MIN MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS (325 uH MIN AT −40 °C)		
CROSSTALK, ADJACENT CHANNELS	1 MHz	10−100 MHz	
	−50 dB MIN	$-55+22*\text{LOG}_{10}(f/10)$ dB MIN	
COMMON MODE REJECTION RATIO	1 MHz	30−200 MHz	
	−42dB MIN	$-15+20*\text{LOG}_{10}(f/200)$ 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		

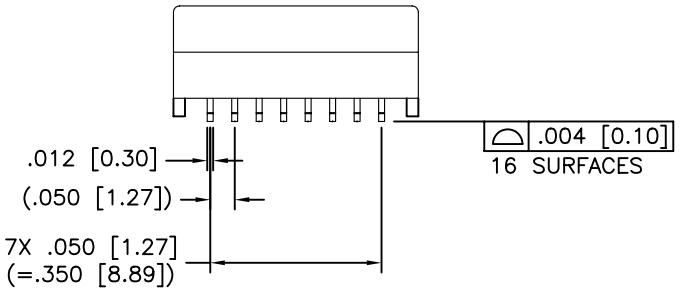
NOTE: f IS FREQUENCY IN MHz.

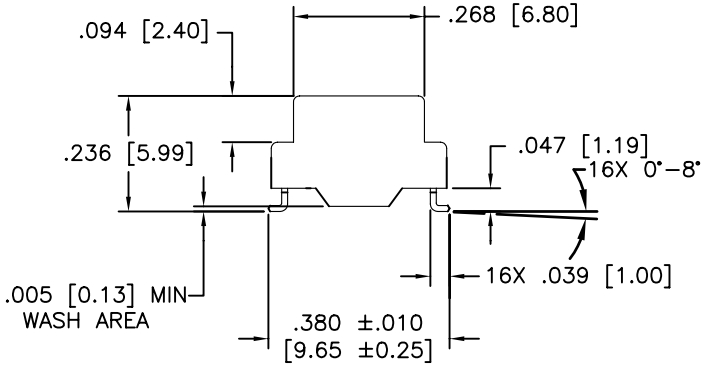
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SUGGESTED LAND PATTERN





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

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	HX1302FNL–10	PS–2005.002–D	3 OF 3	HX1302FNL	A