

Excellent Integrated System Limited

Stocking Distributor

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[Pulse Electronics Corporation](#)
[H1100FNL](#)

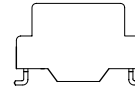
For any questions, you can email us directly:

sales@integrated-circuit.com



NOTES:

1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -20°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 H1100FNL BECOMES H1100FNLT).



FINAL OUTLINE

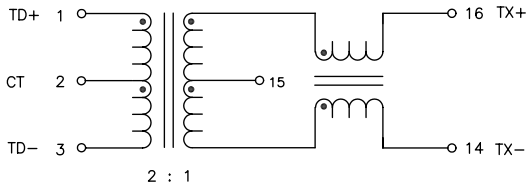
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,2:1,SM,TU	H1100FNL-10	PS-2005.002-D	1 OF 3	H1100FNL	A

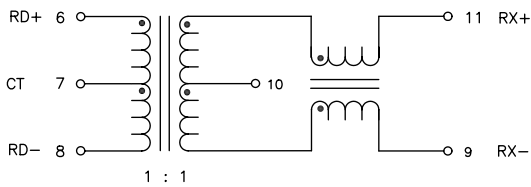
E-MAIL: PRODINFONETWORK@PULSEELECTRONICS.COM(US), ASIA@PULSEELECTRONICS.COM(Asia) PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768

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

TRANSMIT



RECEIVE



SCHEMATIC

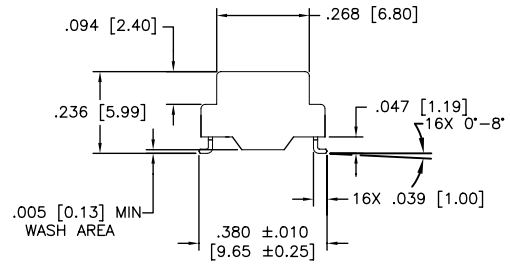
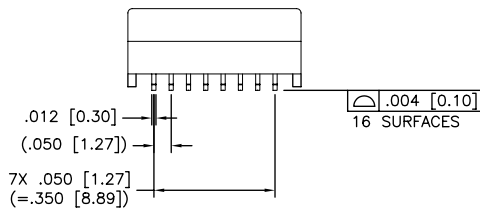
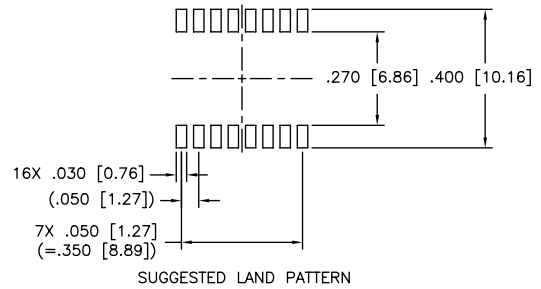
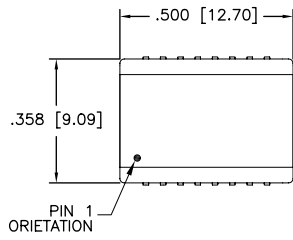
PARAMETER	SPECIFICATIONS	
OPERATING TEMPERATURE	0°C ~ +70°C	
TURNS RATIO	TX	RX
	2 : 1 ±2%	1 : 1 ±2%
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-30 MHz	30-60 MHz
	-16 dB MIN	-10+20*LOG ₁₀ (f/60 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)	
	1 MHz	10-100 MHz
CROSSTALK, ADJACENT CHANNELS	-50 dB MIN	-50+17*LOG ₁₀ (f/10) dB MIN
	2 MHz	30-200 MHz
DIFFERENTIAL TO COMMON MODE REJECTION	-50 dB MIN	-43+22*LOG ₁₀ (f/30) 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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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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