
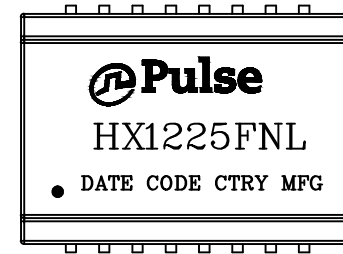


NOTES: UNLESS OTHERWISE SPECIFIED

1.

NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS-6	
	

2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: -40°C TO +85°C
5. STORAGE TEMPERATURE: -50°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
.XX = ±.01
.XXX = ±.005

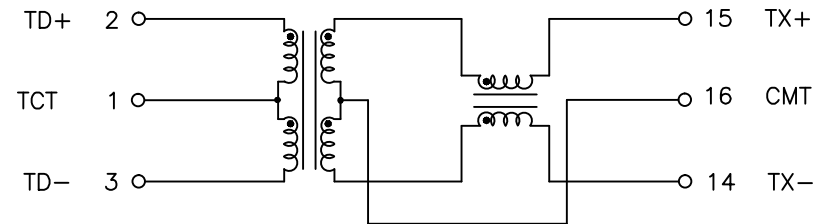


ELECTRICAL CHARACTERISTICS:
ELECTRICAL: @ +25°C

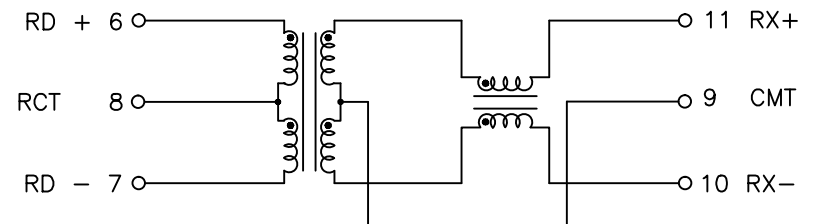
PARAMETER	SPECIFICATIONS							
	TRANSMIT				RECEIVE			
TRUNS RATIO	1:1(±2%)				1.5:1(±2%)			
INSERTION LOSS	1-50 MHz				1-50 MHz			
	-1.0 dB MAX.				-1.5 dB MAX.			
RETURN LOSS Z _{OUT} = 100 OHMS	0.5~40 MHz	60 MHz	80 MHz	0.5MHz	40 MHz	60 MHz	80 MHz	
	-18 dB MIN.	-14.5 dB MIN.	-12 dB MIN.	-18 dB MIN.	-10 dB MIN.	-8 dB MIN.	-6 dB MIN.	
CROSSTALK	30 MHz		60 MHz		100 MHz			
	-45 dB		-35 dB		-30 dB			
OCL	200 uH MIN		MEASURED AT 100 KHz, 100 mVRMS, AT +25 °C					
	100 uH MIN		MEASURED AT 100 KHz, 100 mVRMS, AT -45 °C					
	100 uH MIN		MEASURED AT 100 KHz, 100 mVRMS, AT +95 °C					
C _{ww}	18 pF MAX		MEASURED AT 100 KHz, 100 mVRMS					
ISOLATION (INPUT - OUTPUT)	1650 VRMS, 6 SECONDS MAX							

NOTE: f IS FREQUENCY IN MHZ.

TRANSMIT



RECEIVE



SCHEMATIC

© Copyright, 2013. Pulse Electronics, Inc. All rights reserved. Drawing specifications subject to change without notice. (8/2/13)

PULSE CONFIDENTIAL
&
PROPRIETARY

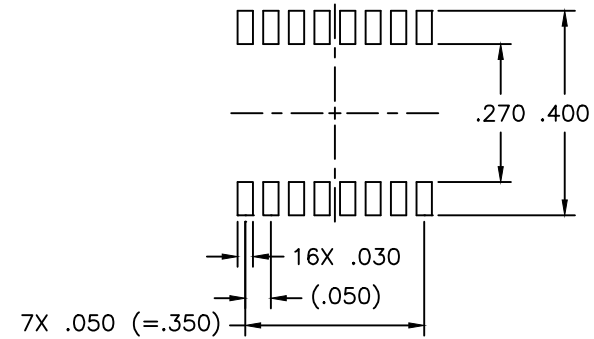
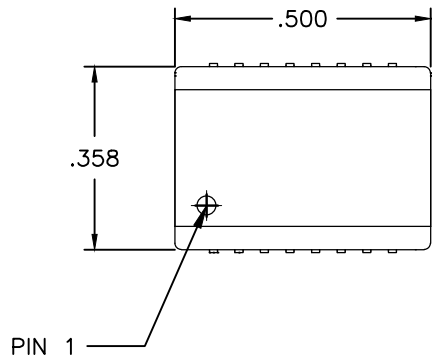
PRODUCT DESCRIPTION
MDL,SIN,100D,1:1,SMT

PS DRAWING
PS-2005.002-C

SHEET:
1

DWG. NO./ PART NO.
HX1225FNL

REV.
M10



SUGGESTED LAND PATTERN

