

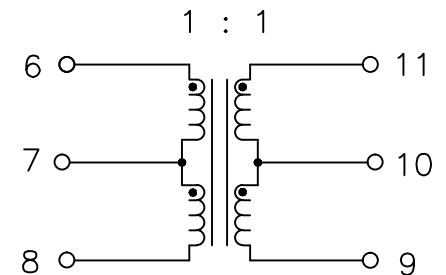
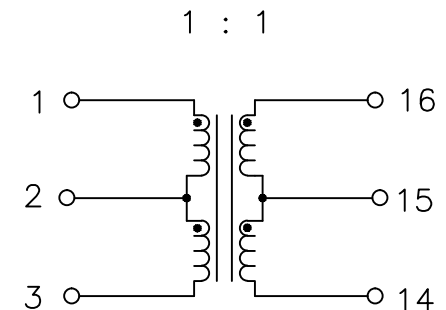
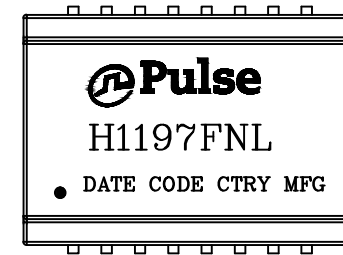
NOTES: UNLESS OTHERWISE SPECIFIED

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| NOTICE: | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| RoHS-6 | |
- PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
- SOLDERABILITY: CONFORMS TO ANSI/J-STD-002 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
- OPERATING TEMPERATURE: 0°C TO +70°C
- STORAGE TEMPERATURE: -20°C TO +125°C
- JEDEC MOISTURE: LEVEL 1.
- DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
.XX = ±.01
.XXX = ±.005

ELECTRICAL CHARACTERISTICS:
ELECTRICAL: @ +25°C

PARAMETER	SPECIFICATIONS	
	100 KHz	1-125 MHz
INSERTION LOSS	-.3 dB MAX	-.3-.002*f ^{1.31}
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-40 MHz -18 dB MIN	40-100 MHz -12+20*LOG ₁₀ (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	1200 uH MINIMUM (MEASURED AT 100 KHz, 100 mVRMS) AND WITH 8 mA DC BIAS)	
URNS RATIO	(1-3) : (16-14) = 1:1 ±1% (6-8) : (11-9) = 1:1 ±1%	
DC RESISTANCE	0.8 OHMS MAX	
LEAKAGE INDUCTANCE	0.35 uH MAX	
DC RESISTANCE BALANCE	±.065 OHMS	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHz.



SCHEMATIC

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PULSE CONFIDENTIAL
&
PROPRIETARY

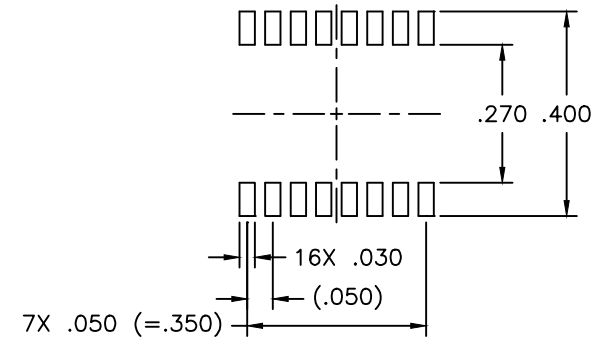
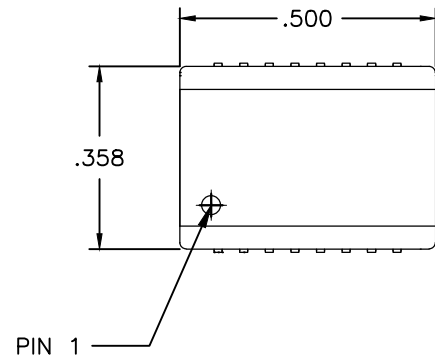
PRODUCT DESCRIPTION
XFRM,SIN,100D,1:1,SMT

PS DRAWING
PS-2005.002-C

SHEET:
1

DWG. NO./ PART NO.
H1197FNL

REV.
M10



SUGGESTED LAND PATTERN

