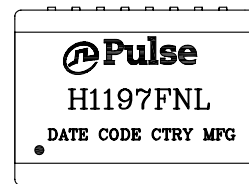


NOTES:

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 H1197FNL BECOMES H1197FNLT).

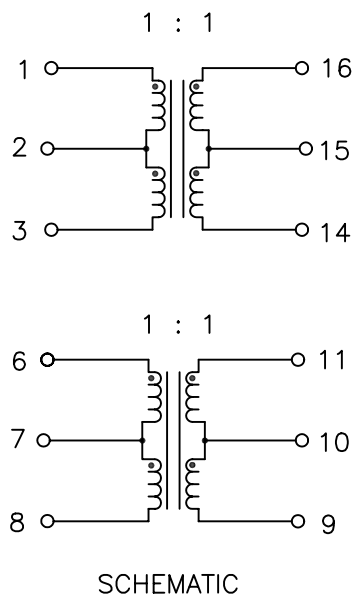


FINAL OUTLINE

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| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|-------------------------|-------------|---------------|--------|----------|----------------|
| XFRM,SIN,100D,1:1,SM,TU | H1197FNL-11 | PS-2005.002-D | 1 OF 3 | H1197FNL | A |

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

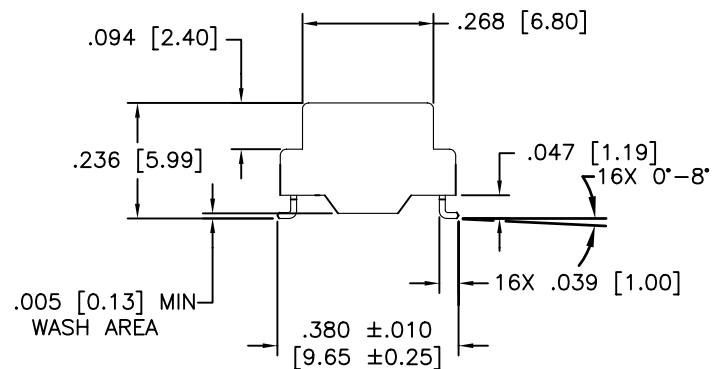


| PARAMETER | SPECIFICATIONS | |
|--------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------|
| OPERATING TEMPERATURE | 0°C – 70 °C | |
| URNS RATIO | 1 : 1 ±2% | |
| POLARITY | PER SCHEMATIC | |
| INSERTION LOSS | 100 KHz | 1–125 MHz |
| | –.3 dB MAX | –.3–.002*f ^{1.31} |
| RETURN LOSS (Z OUT = 100 OHM ±15%) | .1–40 MHz | 40–100 MHz |
| | –18 dB MIN | –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.

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| XFRM,SIN,100D,1:1,SM,TU | H1197FNL-11 | PS-2005.002-D | 2 OF 3 | H1197FNL | A |



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. |
|-------------------------|-------------|---------------|--------|----------|----------------|
| XFRM,SIN,100D,1:1,SM,TU | H1197FNL-11 | PS-2005.002-D | 3 OF 3 | H1197FNL | A |