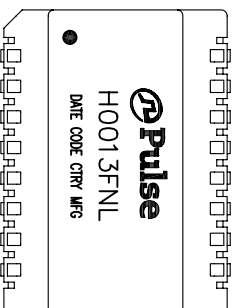




THE DATASHEET OF H0013FNL

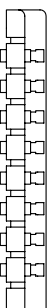


) WITH FLAMMABILITY
) +125°C



ITY AT 245°C REFLOW PROFILE

O MOISTURE SENSITIVE
 MAXIMUM THROUGH REFLOW SOLDER



NG ADD A "T" SUFFIX
 NL BECOMES H0013FNLT).



FINAL OUTLINE

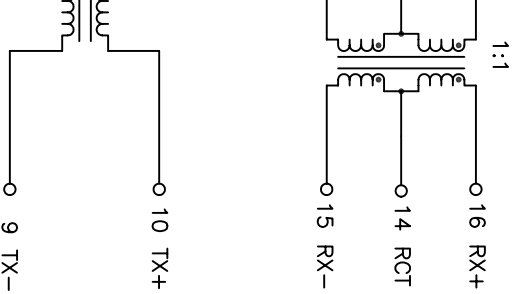
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| TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|-------------|---------------|--------|-----------|----------------|
| 0013FNLT-10 | PS-2762.001-A | 1 OF 3 | H0013FNLT | A |

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

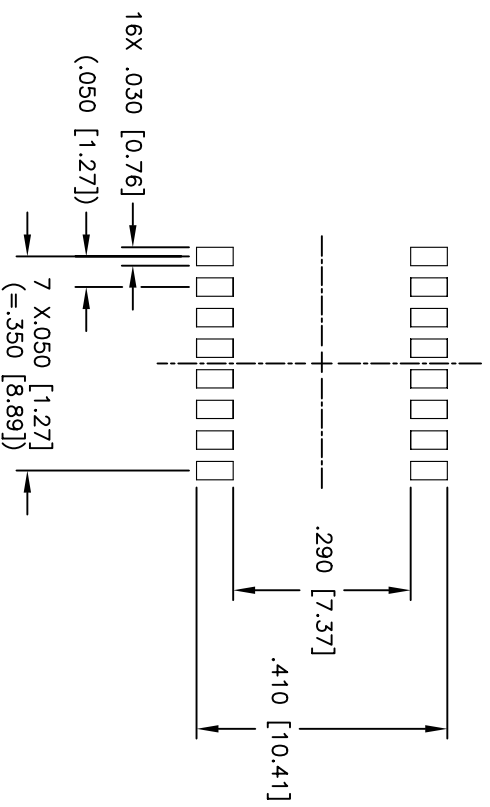
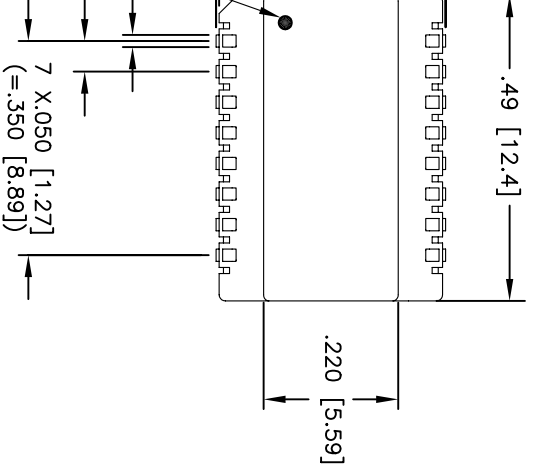
| PARAMETER | SPECIFICATIONS | | |
|--|--------------------------------------|--|------------|
| OPERATING TEMP | 0°C – 70 °C | | |
| TURNS RATIO | 1 : 1 ±2% | | |
| POLARITY | PER SCHEMATIC | | |
| INSERTION LOSS | 100 KHZ | 1 –125 MHz | |
| RETURN LOSS (Z OUT = 100 OHM ±15%) | -1.2 DB MAX | -0.2-0.002*f ^{1.4} DB MAX | |
| | .1-30 MHz | 30-60 MHz | 60-80 MHz |
| INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C) | -16 DB MIN | -10+20*LOG ₁₀ (f/60 MHz) DB MIN | -10 DB MIN |
| | 350 uH MIN | (MEASURED AT 100 KHZ, 100 mV _{RMS}) (AND WITH 8 mA DC BIAS) | |
| CROSSTALK, ADJACENT CHANNELS | 1 MHz | 10-100 MHz | |
| | -50 DB MIN | -55+22*LOG ₁₀ (f/10) DB MIN | |
| COMMON MODE REFLECTION RATIO | 2 MHz | 30-200 MHz | |
| | -50 DB MIN | -15+20*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.

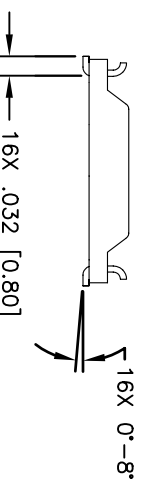
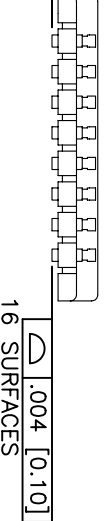


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| TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|-------------|---------------|--------|----------|----------------|
| 0013FNL-10 | PS-2762.001-A | 2 OF 3 | H0013FNL | A |



SUGGESTED LAND PATTERN



WITH THE FOLLOWING
REFERENCE ONLY.

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ITLA DRAWING
0013FNL-10

PS DRAWING
PS-2762.001-A



SHEET
3 OF 3

PART NO.
H0013FNL

DATASHEET REV.
A

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