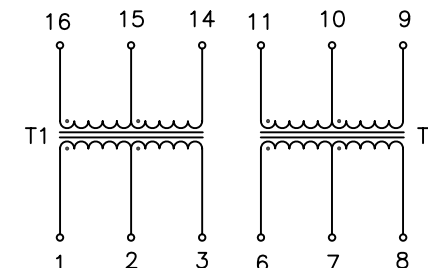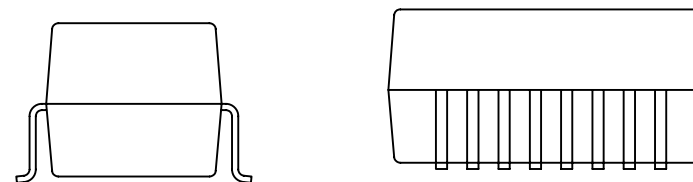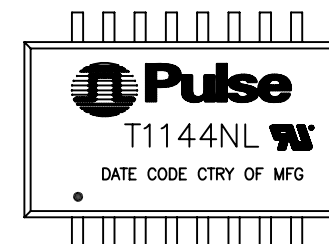| NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS ✓	

TEST NOTES:

UNLESS OTHERWISE SPECIFIED, TESTING IS PERFORMED AT 25°C ±5°C.

1. TURNS RATIO AND POLARITY: 100 KHz, 0.02 VRMS (100%)

$$\frac{(6-8)}{(11-9)} = 1.0 \pm 2\%$$

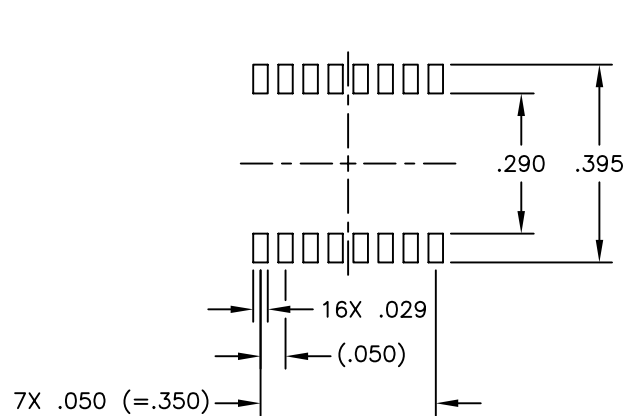$$\frac{(16-14)}{(1-3)} = 2.4 \pm 2\%$$

   * SET PTT PARAMETER AS SPTRP: PRI LEVEL 20 mV, SEC LEVEL 70 mV.

2. 2.1 INDUCTANCE (OCL): 100 KHz, 0.100 VRMS (100%)
   (1−3) = (11−9) = 1.0 mH MINIMUM
   2.2 INDUCTANCE (OCL): 100 KHz, 0.100 VRMS AT−40 CENTIGRADE DEGREES (SAMPLE)
   (1−3) = (11−9) = 600 uH MINIMUM

3. LEAKAGE INDUCTANCE (LL): 100 KHz, 0.2 VRMS (100%)
   (1−3) WITH (16−14) SHORT = 0.8 uH MAXIMUM
   (11−9) WITH (6−8) SHORT = 0.8 uH MAXIMUM

4. INTERWINDING CAPACITANCE (CCW): 100 KHz, 1 VRMS (100%)
   (16−14) TO (1−3) = 30 pF MAXIMUM
   (6−8) TO (11−9) = 30 pF MAXIMUM

5. DC RESISTANCE (DCR): (100%)
   (1−3) = 0.85 OHM MAXIMUM
   (16−14) = 2.0 OHM MAXIMUM
   (6−8) = 0.85 OHM MAXIMUM
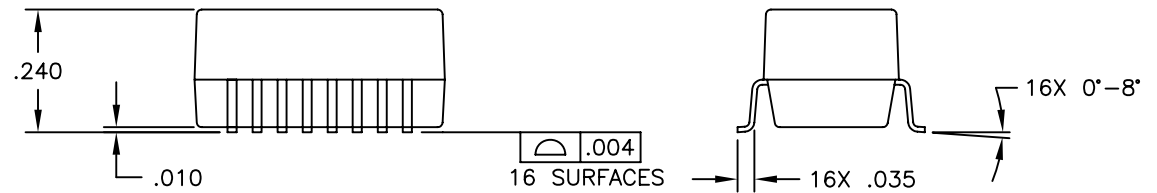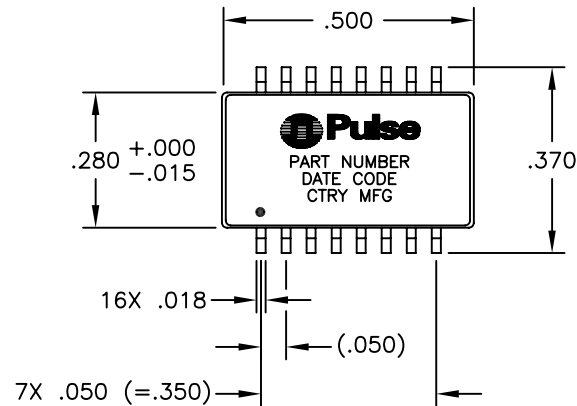   (11−9) = 0.85 OHM MAXIMUM

6. HIPOT: (100%)
   (1−3) TO (16−14) } = 1500 VRMS FOR 1 MINUTE OR
   (6−8) TO (11−9) }   1650 VRMS FOR 6 SECONDS
   (3−14) TO (6−11) = 500 VRMS FOR 6 SECONDS

SCHEMATIC

T1144NL

DATE CODE CTRY OF MFG

FINAL OUTLINE

NOTE: TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e T1144NL BECOMES T1146NLT).

PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	XFMR,DUAL,T1,BH,ET,1:2.4,1:1	PS−0010.001−D	1	T1144NL	M17

.500

.290   .395

16X .029

(.050)

7X .050 (=.350)

SUGGESTED LAND PATTERN

.280 +.000
      −.015

PART NUMBER
DATE CODE
CTRY MFG

.370

16X .018

(.050)

7X .050 (=.350)

.240

.010

.004
16 SURFACES

16X 0°−8°

16X .035

UNLESS OTHERWISE SPECIFIED, ALL
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:

DECIMALS   ANGLES

.XX   ±.01   ± 1°

.XXX ±.005

PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	XFMR,DUAL,T1,BH,ET,1:2.4,1:1	PS−0010.001−D	2	T1144NL	M17

Mouser Electronics

Authorized Distributor

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[T1144NL](#) [T1144NLT](#)