
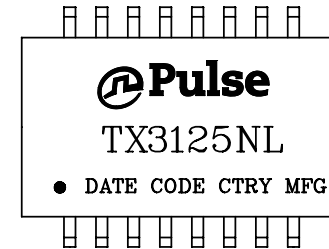


NOTES: UNLESS OTHERWISE SPECIFIED

1.

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

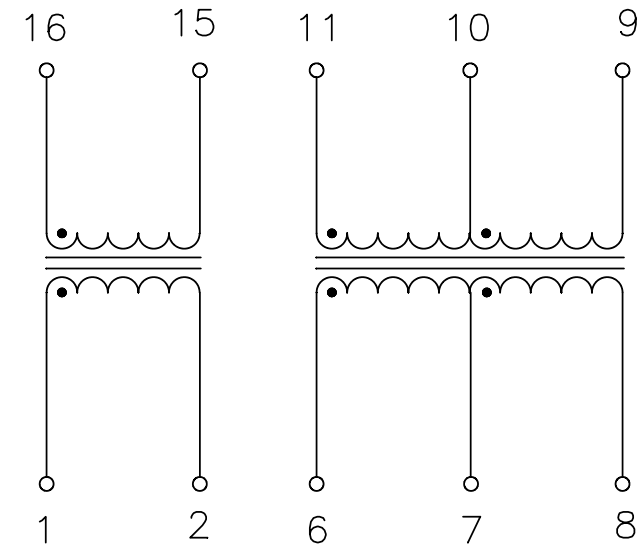
2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002
245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: -40°C TO +85°C
5. STORAGE TEMPERATURE: -50°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS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



ELECTRICAL CHARACTERISTICS:
ELECTRICAL: @ +25°C

No.	PARAMETER	SPECIFICATIONS			
1	TURNS RATIO: @ 10KHz, 0.1VRMS	$\frac{(1-2)}{(16-15)} = 1.0 \pm 2\%$	$\frac{(11-9)}{(6-8)} = 1.0 \pm 2\%$	$\frac{(10-9)}{(7-8)} = 1.0 \pm 2\%$	$\frac{(10-9)}{(6-7)} = 1.0 \pm 2\%$
2	OPEN INDUCTANCE (OCL): @25°C, 100KHz, 0.02VRMS	$(16-15) = 300 \mu\text{H} -30\%, +40\%$	$(6-8) = 300 \mu\text{H} -30\%, +40\%$		
3	LEAKAGE INDUCTANCE(LL): @ 100KHz, 0.02VRMS	$(16-15)$ WITH $(1-2)$ SHORTED = 120 nH MAXIMUM $(6-8)$ WITH $(11-9)$ SHORTED = 140 nH MAXIMUM			
4	INTERWINDING CAPACITANCE (CWW): @ 100KHz, 0.02 VRMS	$(16-15)$ TO $(1-2) = 10 \text{ pF}$ MAXIMUM $(6-8)$ TO $(11-9) = 10 \text{ pF}$ MAXIMUM			
5	DC RESISTANCE (DCR):	$(1-2) = 0.25 \text{ OHM}$ MAXIMUM $(16-15) = 0.25 \text{ OHM}$ MAXIMUM $(6-8) = 0.25 \text{ OHM}$ MAXIMUM $(11-9) = 0.25 \text{ OHM}$ MAXIMUM			
6	RETURN LOSS: @25°C	.860 MHz	1.72 MHz	34.4 MHz	51.5 MHz
		-12 dB MIN	-18 dB MIN	-18 dB MIN	-14 dB MIN
7	HIPOT: (100%) (PRI TO SEC)	1500 VRMS MIN @ 60 SECONDS			

NOTE: f IS FREQUENCY IN MHz.



SCHEMATIC

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PRODUCT DESCRIPTION

XFMR,DUAL,T3,1CT:1CT, 1:1,SMT

PS DRAWING

PS-2005.001-D

SHEET:

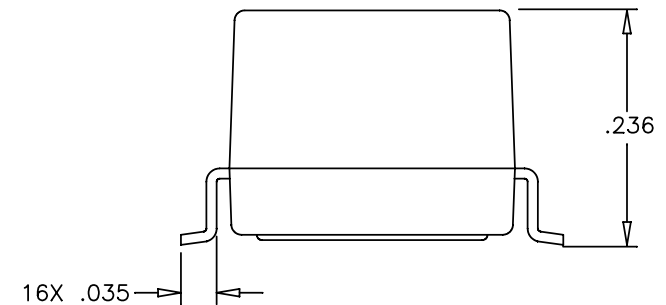
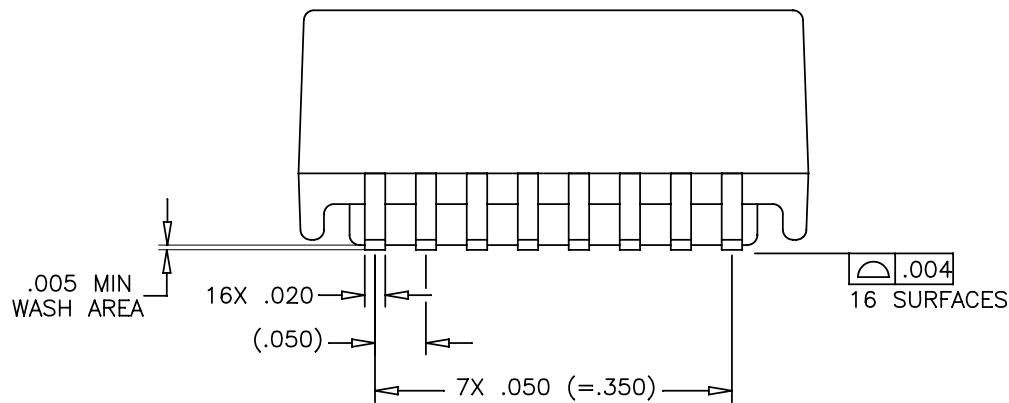
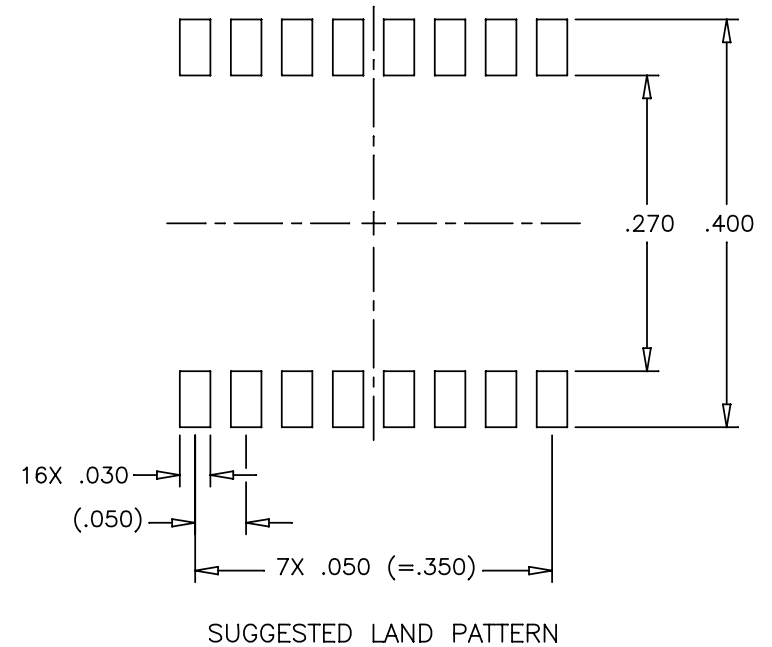
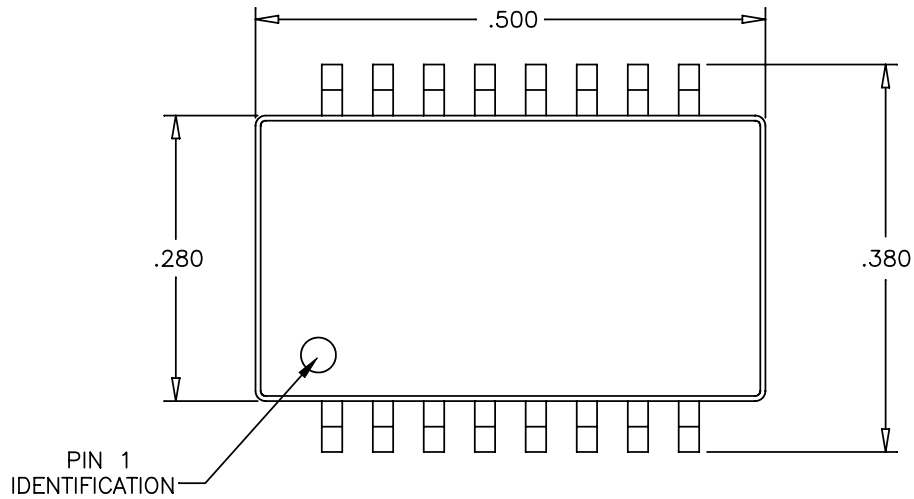
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DWG. NO./ PART NO.

TX3125NL

REV.

M15



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 XFMR,DUAL,T3,1CT:1CT, 1:1,SMT

PS DRAWING
 PS-2005.001-D

SHEET:
 2

DWG. NO./ PART NO.
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 M15