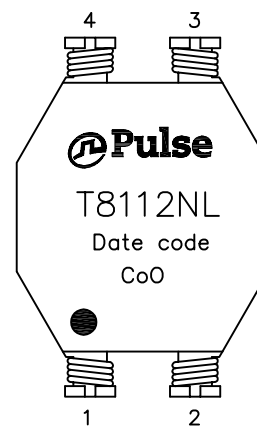**Pulse Electronics**
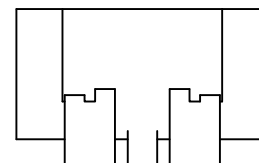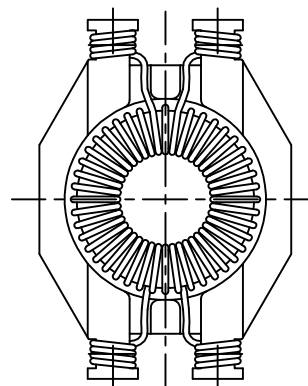www.pulseelectronics.com

NOTES:

1.   ROHS COMPLIANT

2.   PLASTIC: THERMOPLASTIC MATERIAL 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 T8112NL BECOMES T8112NLT).

4   3

Pulse

T8112NL

Date code

CoO

1   2

FINAL OUTLINE

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CMI 2 x 1 mH − SHASTA	T8112NL−11	−	1 OF 3	T8112NL	A

Pulse
Electronics
www.pulseelectronics.com
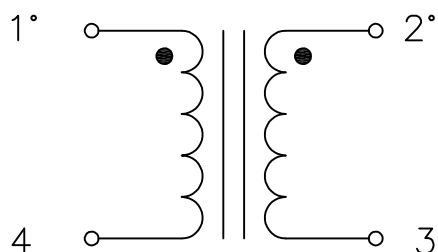
ELECTRICAL CHARACTERISTICS MEASURED AT 25°C :
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

1° 2°

4   3

SCHEMATIC

PARAMETER	SPECIFICATION				
OPERATING TEMPERATURE	0°C TO +70 °C				
TURNS RATIO @10KHz, 0.1VRMS	$\frac{(1°-4)}{(2°-3)} = 1.0 \pm 2\%$				
OPEN CIRCUIT INDUCTANCE (OCL) @100KHz, 0.1VRMS	$(1°-4) = 1mH \; ^{+50}_{-30}\%$				
LEAKAGE INDUCTANCE (LL): @100 KHz, 0.1 VRMS	(1°-4) WITH (2°-3) SHORTED = 0.2 uH NOMINAL = 0.4 uH MAXIMUM				
DCR	(1°-4) = (2°-3) = 0.3 OHM MAXIMUM.				
HIPOT	500 VAC, 60 S				
COMMON MODE IMPEDANCE	0.1 MHz	1 MHz	6 MHz	10 MHz	100 MHz
	600 OHMS	2900 OHMS	5600 OHMS	5000 OHMS	900 OHMS

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CMI 2 x 1 mH – SHASTA	T8112NL–11	–	2 OF 3	T8112NL	A

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2.50

7.35

PINS VIEW

0.80

| d | 0.15 | 4 SURFACE |

0.80

3.90±0.20

10.50

4.50

2.50

1.20

SUGGESTED PCB LAYOUT

6.30 MAX

4   3

Pulse

T8112NL

Date code

CoO

TOP VIEW

6.60 MAX   8.90 MAX

DOT INDICATES PIN 1

1   2
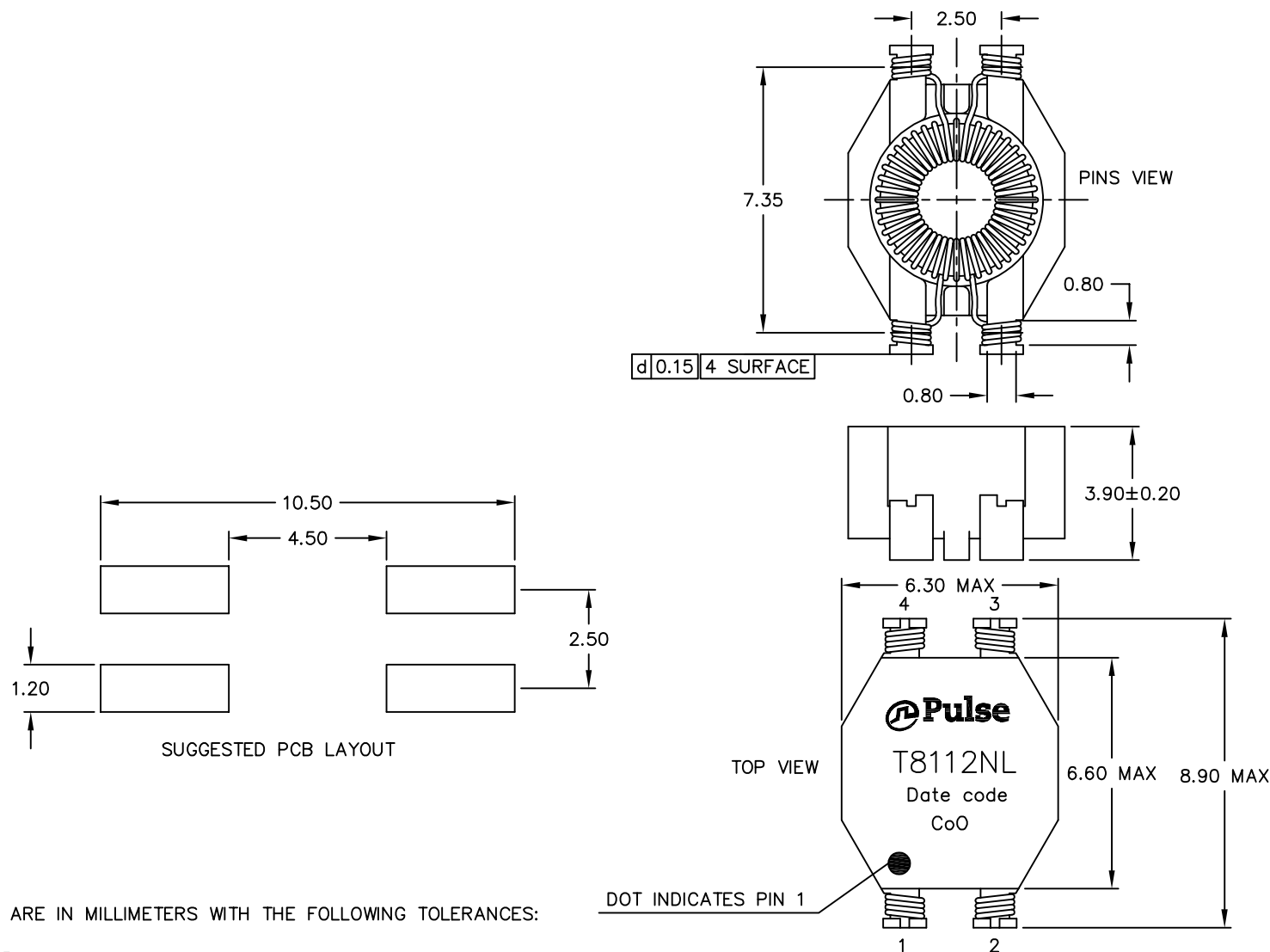
DIMENSIONS ARE IN MILLIMETERS WITH THE FOLLOWING TOLERANCES:
X.X= ±0.5
X.XX= ±0.25

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
CMI 2 x 1 mH – SHASTA	T8112NL-11	–	3 OF 3	T8112NL	A

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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  [T8112NL](#)