



## CX2078NL

- RF TRANSFORMER
- 1:1, 5–500MHz
- IMPEDANCE=50 OHM
- SURFACE MOUNT

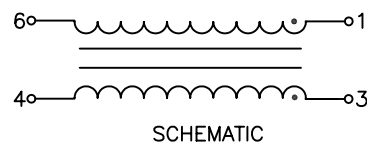
### NOTES: UNLESS OTHERWISE SPECIFIED

1. OPERATING TEMPERATURE: –40°C TO +85°C
2. STORAGE TEMPERATURE: –50°C TO +125°C
3. COMPLIANCE TO J–STD:
  - J–STD–002: SOLDERABILITY AT REFLOW PEAK TEMPERATURE OF 245°C
  - J–STD–020: MSL 1, NO MOISTURE SENSITIVE
  - J–STD–075: R6, 250°C MAXIMUM THROUGH REFLOW SOLDER
4. DIMENSIONS ARE IN MM [INCHES].
  - TOLERANCE:
    - .X =  $\pm 0.25$  [ $\pm 0.010$ ]
    - .XX =  $\pm 0.13$  [ $\pm 0.005$ ]
5. OPTIONAL TAPE & REEL PACKAGING CAN BE ORDERED BY ADDING A "T" SUFFIX TO THE PART NUMBER. ie: CX2078NLT

### ELECTRICAL SPECIFICATIONS: @ 25°C

#### INSERTION LOSS:

| FREQUENCY  | ATTENUATION     |
|------------|-----------------|
| 5 MHz      | –2.0 dB MAXIMUM |
| 10 MHz     | –2.0 dB MAXIMUM |
| 50 MHz     | –2.0 dB MAXIMUM |
| 100 MHz    | –2.0 dB MAXIMUM |
| 200 MHz    | –2.5 dB MAXIMUM |
| 300 MHz    | –2.5 dB MAXIMUM |
| 500 MHz    | –2.5 dB MAXIMUM |
| *REFERENCE | ATTENUATION     |
| 70.71 MHz  | –2.0 dB MAX     |



© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (04/14/2014)

PRODUCT DESCRIPTION:

XFMR, RF, SGL, KAYAK, 1:1, XMSN

SHEET:

1 OF 2

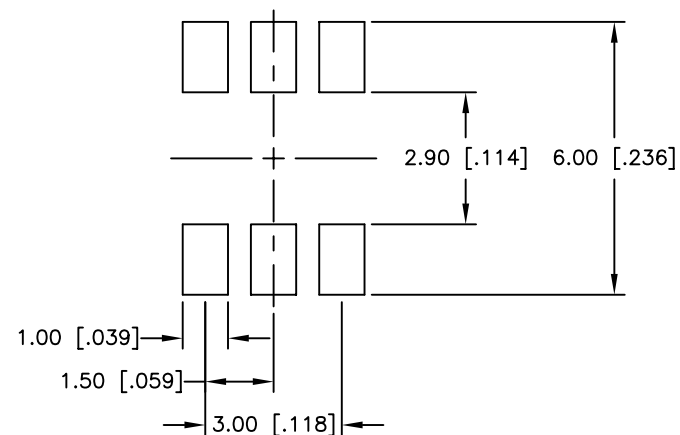
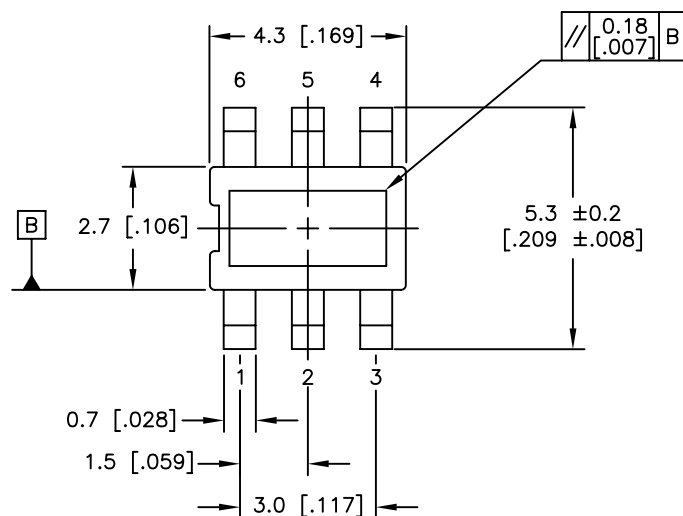
PART NO.

CX2078NL

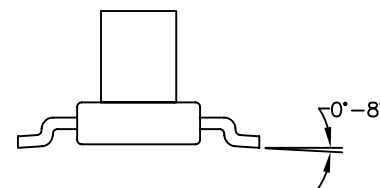
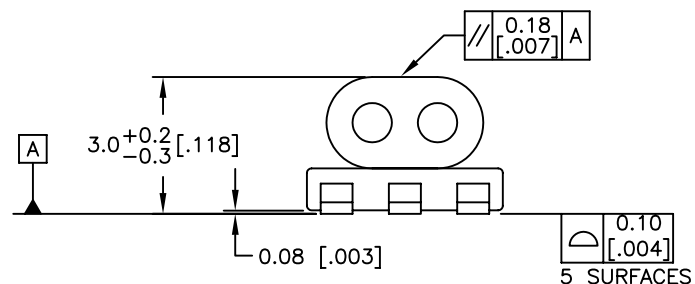
DATASHEET REV.

M12

**MECHANICAL SPECIFICATIONS:**



SUGGESTED LAND PATTERN



© Copyright, 2014. Pulse Electronics Corp. All rights reserved. Pulse confidential & proprietary. (04/14/2014)

PRODUCT DESCRIPTION:

XFMR, RF, SGL, KAYAK, 1:1, XMSN

SHEET:

2 OF 2

PART NO.

CX2078NL

DATASHEET REV.

M12