



## CX2039LNL

- RF TRANSFORMER
- 1:1, 4.5MHz–1500MHz
- IMPEDANCE = 50 OHMS
- 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 INCHES.  
TOLERANCE:
  - .XX = ±.01
  - .XXX = ±.005
5. OPTIONAL TAPE & REEL PACKAGING CAN BE ORDERED BY ADDING  
A "T" SUFFIX TO THE PART NUMBER. ie: CX2039LNL T

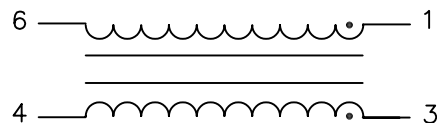
### ELECTRICAL SPECIFICATIONS: @ 25°C

#### RETURN LOSS:

| FREQUENCY | RETURN LOSS    |
|-----------|----------------|
| 4.5 MHz   | -30 dB MINIMUM |
| 100 MHz   | -24 dB MINIMUM |
| 200 MHz   | -22 dB MINIMUM |
| 500 MHz   | -14 dB MINIMUM |
| 1 GHz     | -8 dB MINIMUM  |
| 1.5 GHz   | -6 dB MINIMUM  |

#### INSERTION LOSS:

| FREQUENCY | CALCULATED ATTENUATION |
|-----------|------------------------|
| 4.5 MHz   | -.1 dB MAXIMUM         |
| 100 MHz   | -.2 dB MAXIMUM         |
| 200 MHz   | -.6 dB MAXIMUM         |
| 500 MHz   | -.9 dB MAXIMUM         |
| 1 GHz     | -1 dB MAXIMUM          |
| 1.5 GHz   | -2 dB MAXIMUM          |



SCHEMATIC

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PRODUCT DESCRIPTION:

XFMR, RF SGL RAC 50:50

SHEET:

1 OF 2

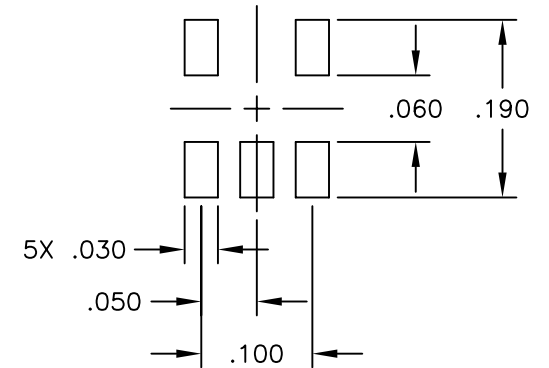
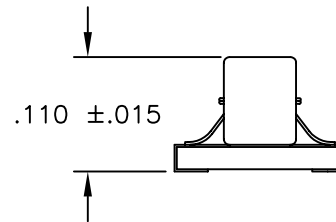
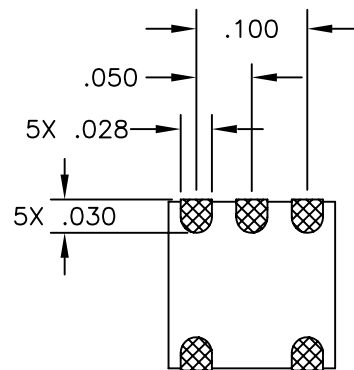
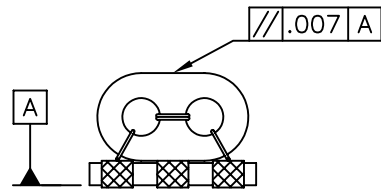
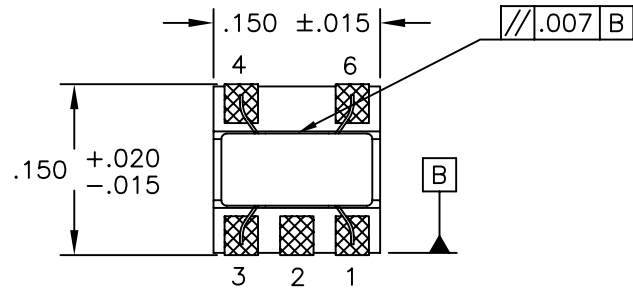
PART NO.

CX2039LNL

DATASHEET REV.

M15

**MECHANICAL SPECIFICATIONS:**



SUGGESTED LAND PATTERN

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XFMR, RF SGL RAC 50:50

SHEET:  
2 OF 2

PART NO.  
CX2039LNL

DATASHEET REV.  
M15

# Mouser Electronics

Authorized Distributor

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