



## CX2038LNL

- RF TRANSFORMER
- 1:1, 4.5–1500MHz
- IMPEDANCE = 75 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: CX2038LNL T

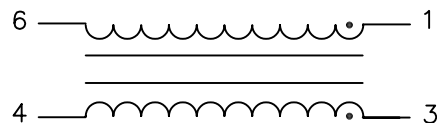
### ELECTRICAL SPECIFICATIONS: @ 25°C

#### RETURN LOSS:

| FREQUENCY | RETURN LOSS |
|-----------|-------------|
| 4.5 MHz   | -30 dB MIN  |
| 100 MHz   | -24 dB MIN  |
| 200 MHz   | -22 dB MIN  |
| 500 MHz   | -20 dB MIN  |
| 1000 MHz  | -18 dB MIN  |
| 1500 MHz  | -14 dB MIN  |

#### INSERTION LOSS:

| FREQUENCY | INSERTION LOSS |
|-----------|----------------|
| 4.5 MHz   | -.1 dB MAX     |
| 100 MHz   | -.2 dB MAX     |
| 200 MHz   | -.6 dB MAX     |
| 500 MHz   | -.9 dB MAX     |
| 1000 MHz  | -1 dB MAX      |
| 1500 MHz  | -2 dB MAX      |



SCHEMATIC

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PRODUCT DESCRIPTION:

XFMR, RF, SGL, RAC, 75:75

SHEET:

1 OF 2

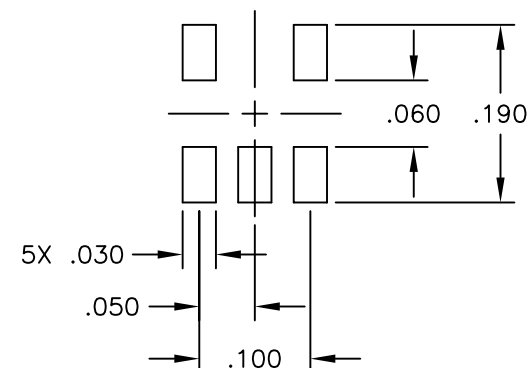
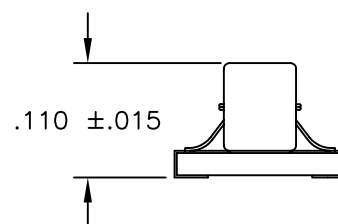
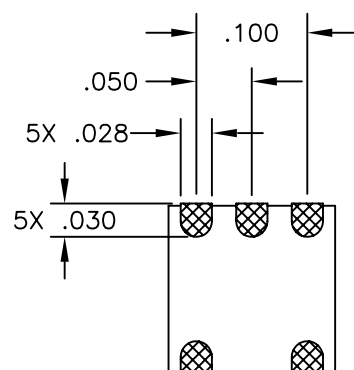
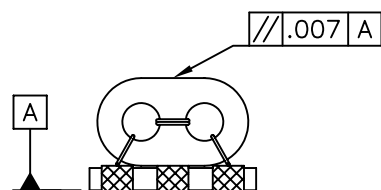
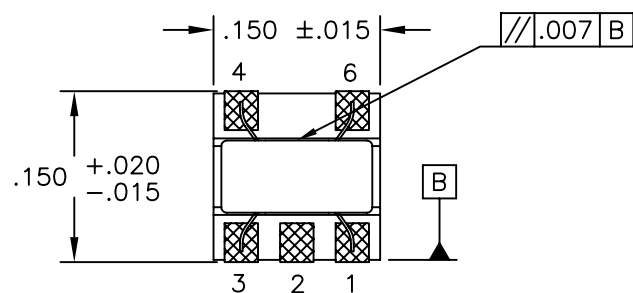
PART NO.

CX2038LNL

DATASHEET REV.

M12

**MECHANICAL SPECIFICATIONS:**



SUGGESTED LAND PATTERN

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XFMR, RF, SGL, RAC, 75:75

SHEET:

2 OF 2

PART NO.

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DATASHEET REV.

M12