

CX2045LNL

- Balun Transformer
- 1:2CT Impedance
- 3-300MHz
- Surface Mount

NOTES: UNLESS OTHERWISE SPECIFIED

1. OPERATING TEMPERATURE: -40°C TO +85°C
2. STORAGE TEMPERATURE: -50°C TO +125°C
3. JEDEC MOISTURE: LEVEL 1.
4. DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCE:
.XX= ±.01
.XXX= ±.005
5. OPTIONAL TAPE & REEL PACKAGING CAN BE ORDERED
BY ADDING A "T" SUFFIX TO THE PART NUMBER(EX: CX2045LNLT)
6. ROHS COMPLIANT



ELECTRICAL SPECIFICATIONS: @ 25°C

RETURN LOSS:

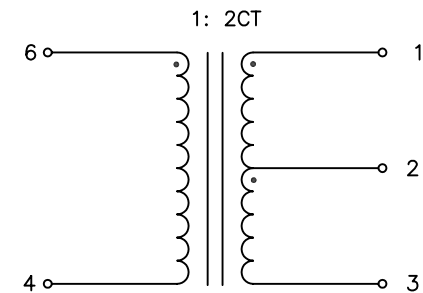
| FREQUENCY | RETURN LOSS (S11) |
|-----------|-------------------|
| 3 MHz | -23.5 dB MIN |
| 5 MHz | -25 dB MIN |
| 9 MHz | -27 dB MIN |
| 30 MHz | -27 dB MIN |
| 50 MHz | -24.5 dB MIN |

| FREQUENCY | RETURN LOSS (S11) |
|-----------|-------------------|
| 90 MHz | -20 dB MIN |
| 150 MHz | -16.5 dB MIN |
| 220 MHz | -13.5 dB MIN |
| 250 MHz | -12 dB MIN |
| 300 MHz | -10.5 dB MIN |

INSERTION LOSS:

| FREQUENCY | ATTENUATION (S21) |
|-----------|-------------------|
| 3 MHz | -0.80 dB MAX |
| 5 MHz | -0.80 dB MAX |
| 9 MHz | -0.80 dB MAX |
| 30 MHz | -0.80 dB MAX |
| 50 MHz | -0.80 dB MAX |

| FREQUENCY | ATTENUATION (S21) |
|-----------|-------------------|
| 90 MHz | -0.80 dB MAX |
| 150 MHz | -0.90 dB MAX |
| 220 MHz | -1.00 dB MAX |
| 250 MHz | -1.00 dB MAX |
| 300 MHz | -1.00 dB MAX |



SCHEMATIC

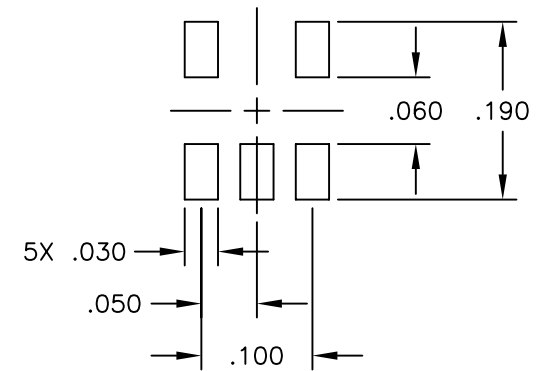
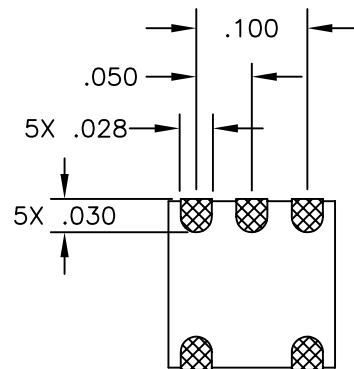
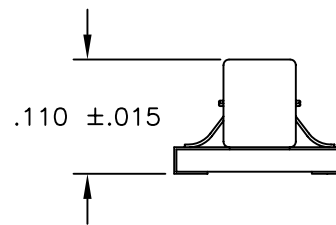
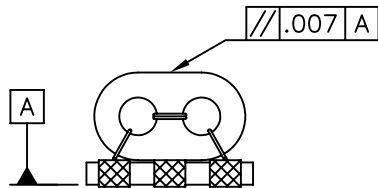
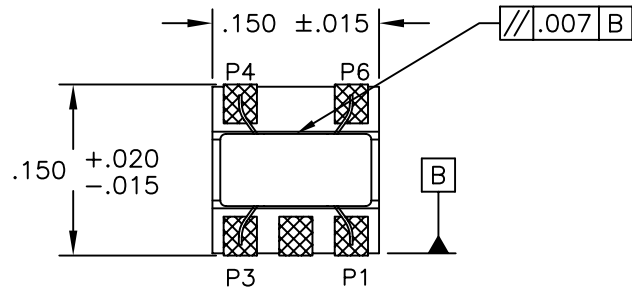
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PROPRIETARY

PRODUCT SPECIFICATION:
XFMR, RF, SGL, RAC, 1:2CT, 3-300MHz

| DWG. NO./ PART NO. | SHEET: | REV. |
|--------------------|--------|------|
| CX2045LNL | 1 | M15 |

MECHANICAL SPECIFICATIONS:



SUGGESTED LAND PATTERN

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PRODUCT SPECIFICATION:
XFMR, RF, SGL, RAC, 1:2CT, 3-300MHz

| DWG. NO./ PART NO. | SHEET: | REV. |
|--------------------|--------|------|
| CX2045LNL | 2 | M15 |