



## CX2142NL

- BALUN TRANSFORMERS
- 1:1, 50–870 MHz
- IMPEDANCE = 75 OHMS
- SURFACE MOUNT

### ELECTRICAL SPECIFICATIONS: @ 25°C

#### INSERTION LOSS:

FREQUENCY	ATTENUATION
50 MHz	–1.0 dB MAX
208 MHz	–1.0 dB MAX
870 MHz	–1.0 dB MAX

#### RETURN LOSS:

FREQUENCY	ATTENUATION
50 MHz	–9.0 dB MIN
208 MHz	–20 dB MIN
870 MHz	–18 dB MIN

#### AMPLITUDE UNBALANCE:

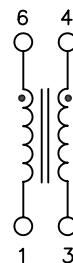
FREQUENCY	ATTENUATION
50–1000 MHz	±8° MAX

#### PHASE UNBALANCE:

FREQUENCY	ATTENUATION
50 MHz	1.4 dB MAX
100–1000 MHz	.7 dB MAX

#### 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: CX2142NLT



SCHEMATIC

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PRODUCT DESCRIPTION:

XFMR, SGL, RF, 50–870MHz, 1:1

SHEET:

1 OF 2

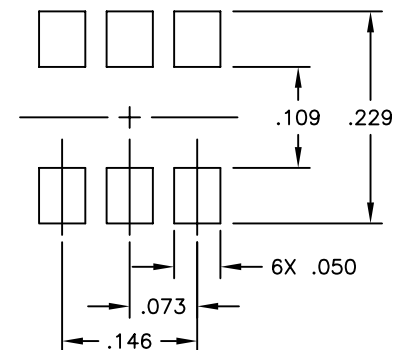
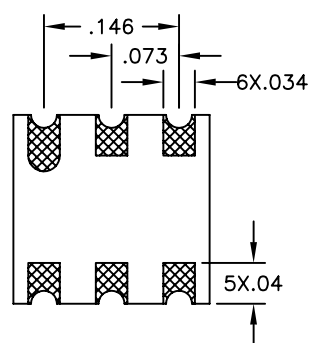
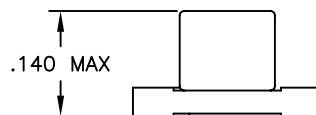
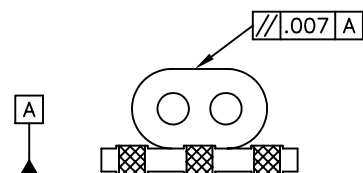
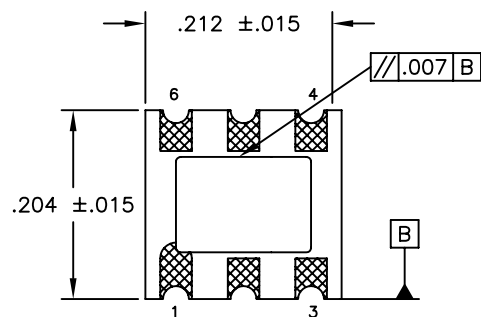
PART NO.

CX2142NL

DATASHEET REV.

M12

**MECHANICAL SPECIFICATIONS:**



SUGGESTED LAND PATTERN

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XFMR, SGL, RF, 50–870MHz, 1:1

SHEET:

2 OF 2

PART NO.

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DATASHEET REV.

M12

# Mouser Electronics

Authorized Distributor

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[CX2142NLT](#)