RoHS COMPLIANT

Pulse Electronics
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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:

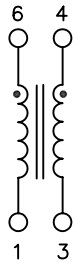
FREQUENCY	ATTENUATION
50–1000 MHz	±8° MAX

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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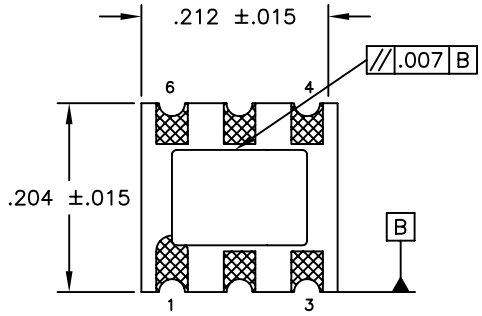
PRODUCT DESCRIPTION:		SHEET:	PART NO.	DATASHEET REV.
XFMR, SGL, RF, 50–870MHz, 1:1		1 OF 2	CX2142NL	M12

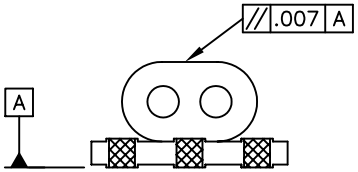
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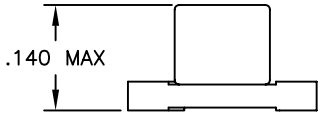
RoHS COMPLIANT

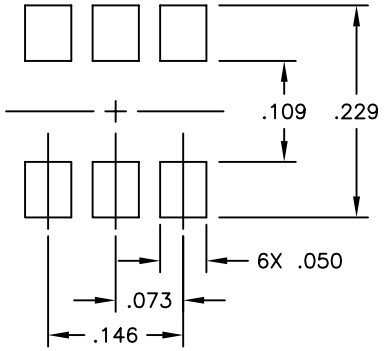
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MECHANICAL SPECIFICATIONS:

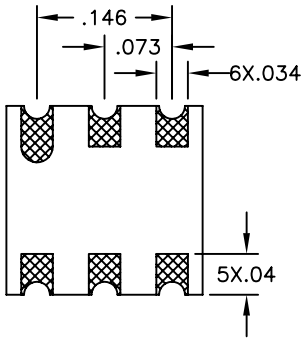








SUGGESTED LAND PATTERN



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PRODUCT DESCRIPTION:		SHEET:	PART NO.	DATASHEET REV.
XFMR, SGL, RF, 50–870MHz, 1:1		2 OF 2	CX2142NL	M12

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