RF TRANSFORMER
For Wideband RF Applications

Pulse® A TECHNITROL COMPANY

RoHS COMPLIANT



- For single-ended to balanced applications
- Value-oriented construction
- Small surface mount package
- Excellent insertion loss
- Various impedance ratios available

Electrical Specifications @ 25°C

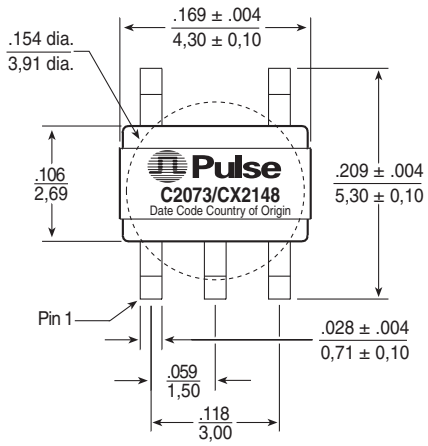
Standard Part Number	RoHS-6 Compliant Part No.	Impedance Ratio [1] Pri:Sec (±2%)	Turns Ratio [1] Pri:Sec (±2%)	Insertion Loss [2] (dB TYP/MAX)		Amplitude Balance [2] (dB TYP/MAX)		Phase Balance [2] (degrees TYP/MAX)		Return Loss (dB TYP/MIN)	
C2073 C2073A	C2073NL C2073ANL	1:4CT	1:2CT	5-65MHz: 0.50/0.70	65-200MHz: 0.80/1.20	5-65MHz: 0.01/0.02	65-200MHz: 0.02/0.05	5-65MHz: 0.4/2.0	65-200MHz: 2.0/5.0	5-65MHz: 20/15	65-200MHz: 13/7.0
CX2148 CX2148A	CX2148NL CX2148ANL	1:1CT	1:1CT	5-50 MHz: 0.50dB MAX		5-50 MHz: 0.10dB MAX		5-50 MHz: 2° MAX		5-50 MHz: 20dB MIN	

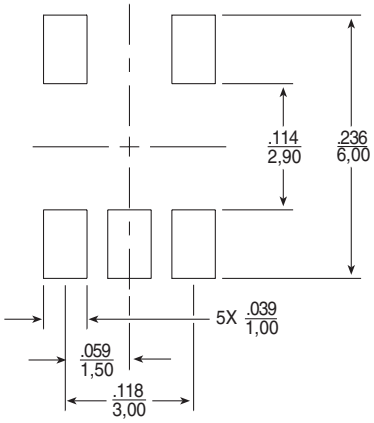
NOTE: Part with cover plate is designated C2073**A** or CX2148**A**. Optional Tape & Reel packaging can be ordered by adding a "**T**" suffix to the part number (ex: C2073**T,** C2073A**T** or C2073NL**T**).

Mechanical

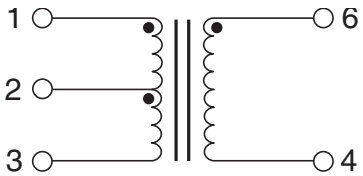
Schematic

C2073/CX2148

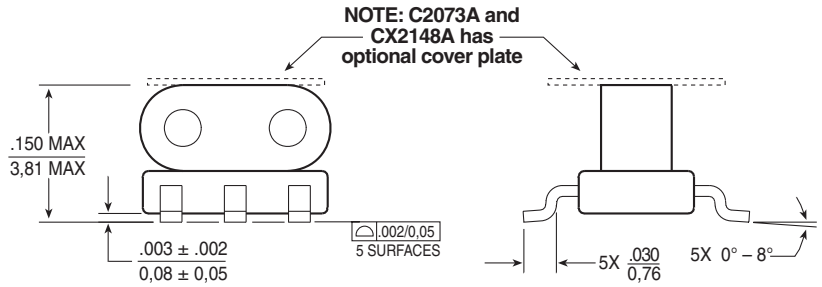




SUGGESTED PAD LAYOUT



SEC:PRI



Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0,25

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Application Notes

A. Materials used in the products are UL94-V0 recognized. Products meet requirements of IEC 695-2-2 (Needle Flame Test).

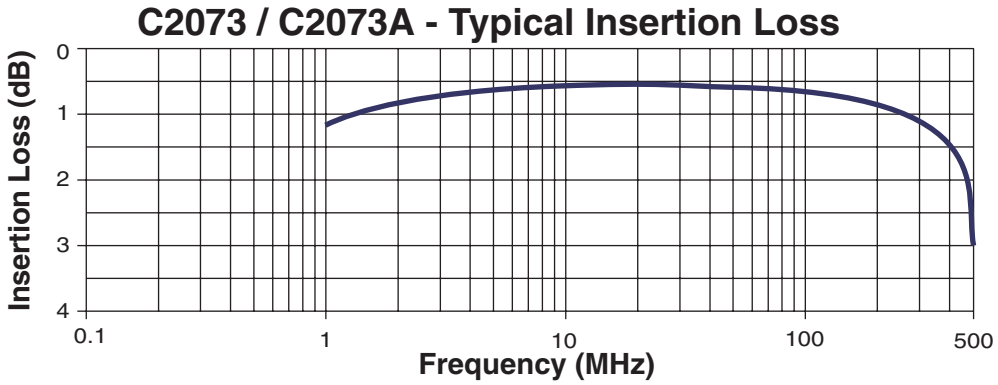
B. For additional impedance ratios and frequency ranges, please contact Applications Engineering.

C. For performance plots of **CX2148** and **CX2148A**, please contact Applications Engineering.

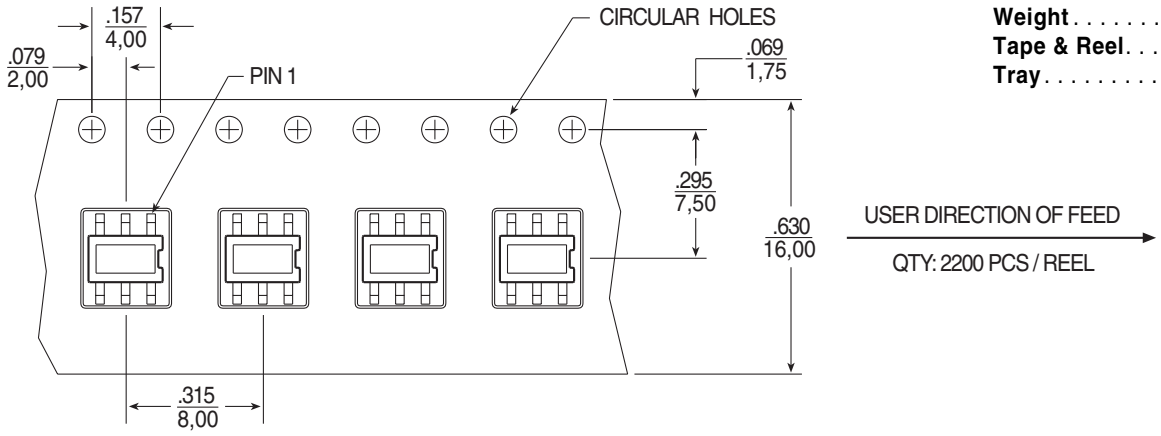
Notes from Tables

1. Impedance and turns ratios are specified primary:secondary. (CT=Center Tap).

2. For **CX2148** and **CX2148A**, Insertion Loss, Amplitude Balance andPhase Balance are measured on balanced side (secondary output pins 1 and 3) relative to ground pin (pin 2).



Tape and Reel Information



Weight . . . . . 0.43 grams
Tape & Reel . . . . . 2000 /reel
Tray . . . . . 100 /tray

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