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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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# RF TRANSFORMER

## For Wideband RF Applications



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

### Electrical Specifications @ 25°C

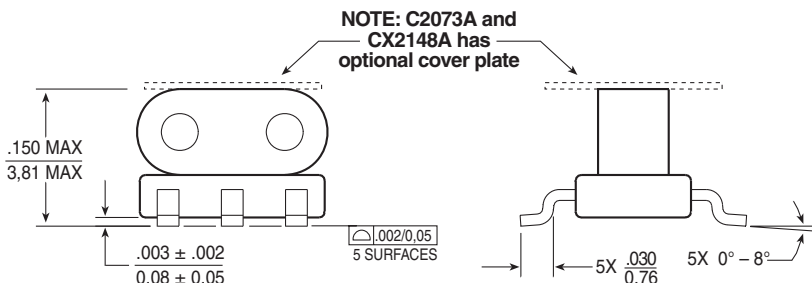
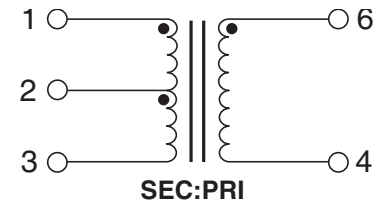
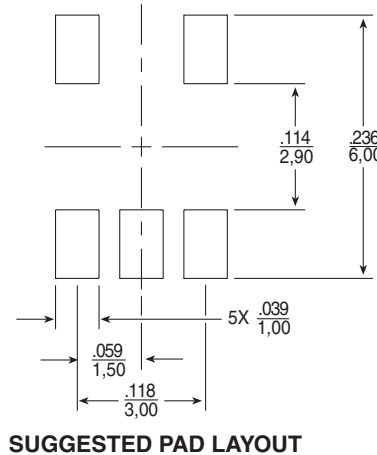
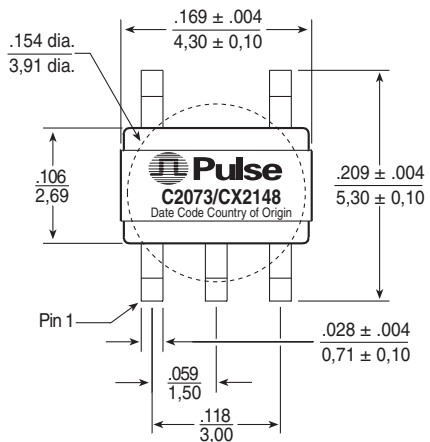
Standard Part Number	RoHS-6 Compliant Part No.	Impedance Ratio <sup>1</sup> Pri:Sec (±2%)	Turns Ratio <sup>1</sup> Pri:Sec (±2%)	Insertion Loss <sup>2</sup> (dB TYP/MAX)		Amplitude Balance <sup>2</sup> (dB TYP/MAX)		Phase Balance <sup>2</sup> (degrees TYP/MAX)		Return Loss (dB TYP/MIN)	
				5-65MHz: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

NOTE: Part with cover plate is designated C2073A or CX2148A. Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (ex: C2073T, C2073AT or C2073NLT).

### Mechanical

### Schematic

#### C2073/CX2148



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
 Unless otherwise specified,  
 all tolerances are  $\pm \frac{.010}{0.25}$

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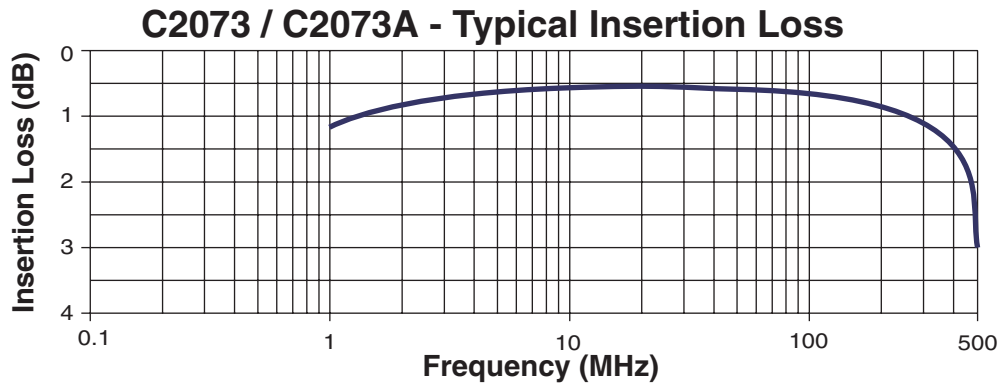


### Application Notes

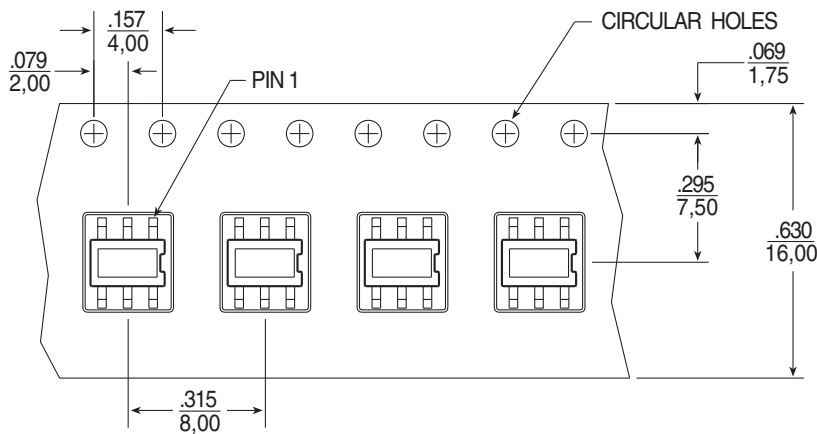
- A. Materials used in the products are UL94-V0 recognized. Products meet requirements of IEC 695-2-2 (Needle Flame Test).
- B. For additional impedance ratios and frequency ranges, please contact Applications Engineering.
- C. For performance plots of **CX2148** and **CX2148A**, please contact Applications 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 and Phase 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

USER DIRECTION OF FEED  
 QTY: 2200 PCS / REEL

### For More Information:

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