

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

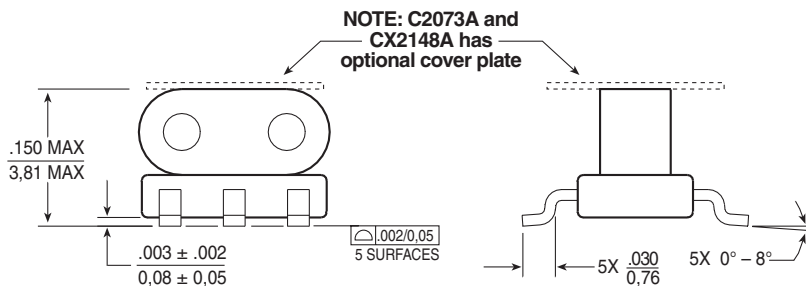
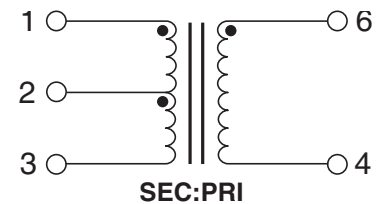
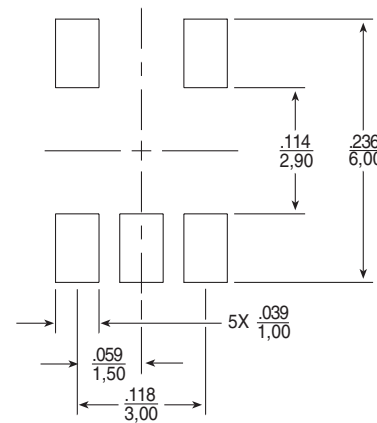
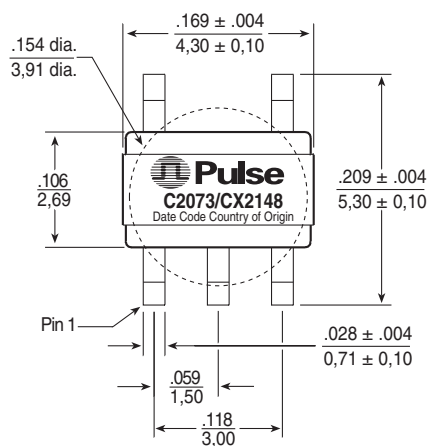
Part No.	Impedance Ratio ¹ Pri:Sec (±2%)	Turns Ratio ¹ Pri:Sec (±2%)	Insertion Loss ² (dB TYP/MAX)		Amplitude Balance ² (dB TYP/MAX)		Phase Balance ² (degrees TYP/MAX)		Return Loss (dB TYP/MIN)	
C2073	1:4CT	1:2CT	5-65 MHz: 0.50/0.70	65-200 MHz: 0.80/1.20	5-65 MHz: 0.01/0.02	65-200 MHz: 0.02/0.05	5-65 MHz: 0.4/2.0	65-200 MHz: 2.0/5.0	5-65 MHz: 20/15	65-200 MHz: 13/7.0
CX2148	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: Optional cover plate is available for both parts. 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 or C2073AT).

Mechanical

Schematic

C2073/CX2148



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

RF TRANSFORMER

For Wideband RF Applications



Application Notes

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

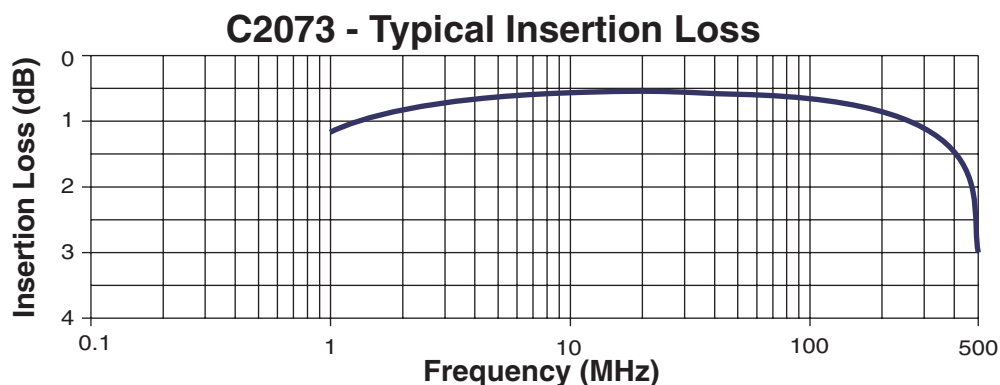
B. For additional impedance ratios and frequency ranges, please contact Applications Engineering.

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

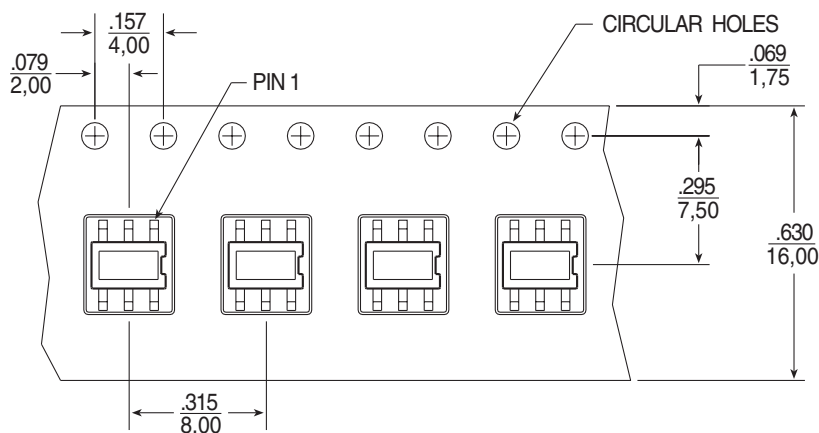
Notes from Tables

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

2. For **CX2148**, 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 :

UNITED STATES (Worldwide)	UNITED KINGDOM (Northern Europe)	FRANCE (Southern Europe)	SINGAPORE (Southern Asia)	TAIWAN, R.O.C. (Northern Asia)	HONG KONG (China/Hong Kong)	DISTRIBUTOR
12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	1 & 2 Huxley Road The Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701	Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 6287 8998 FAX: 65 6280 0080	3F-4, No. 81, Sec. 1 HsinTai Wu Road Hsi-Chih, Taipei Hsien Taiwan, R.O.C. Tel: 886 2 2698 0228 FAX: 886 2 2698 0948	9/F, Phase 2, Tai Sang Shatin Warehouse Centre 6 Wong Chuk Yeung Street Fotan, Shatin, Hong Kong TEL: 852 2788 6588 FAX: 852 2776 1055	

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.