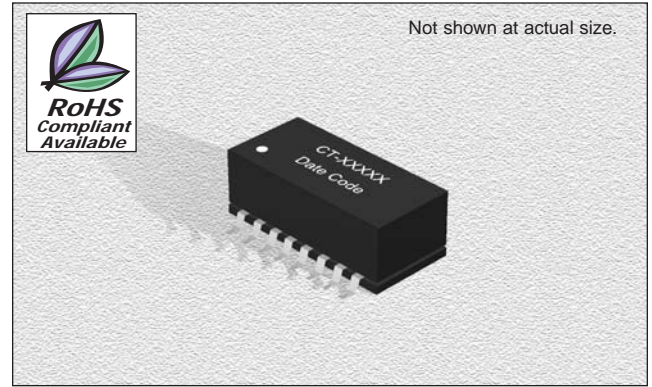


10/100 Base 16 Pin (SMD)

APPLICATIONS

- Designed for 10/100 bases transmission over UTP-5 cable.
- Tested and qualified for use with National Semiconductor's DP83840 Ethernet 10/100 PHY chip.
- Cable interface for isolation and low common mode emissions.



Electrical Specifications @ 25°C

Operating Temperature: 0°C to +70°C

Primary OCL inductance: 350 µH Min. @ 100KHz/0.1 Vrms with BmA/DC Bias

Rise Time: (10%~90%) : 2.5ns

Isolation Voltage: 1500 Vrms

Cw/w: 28pF Max.

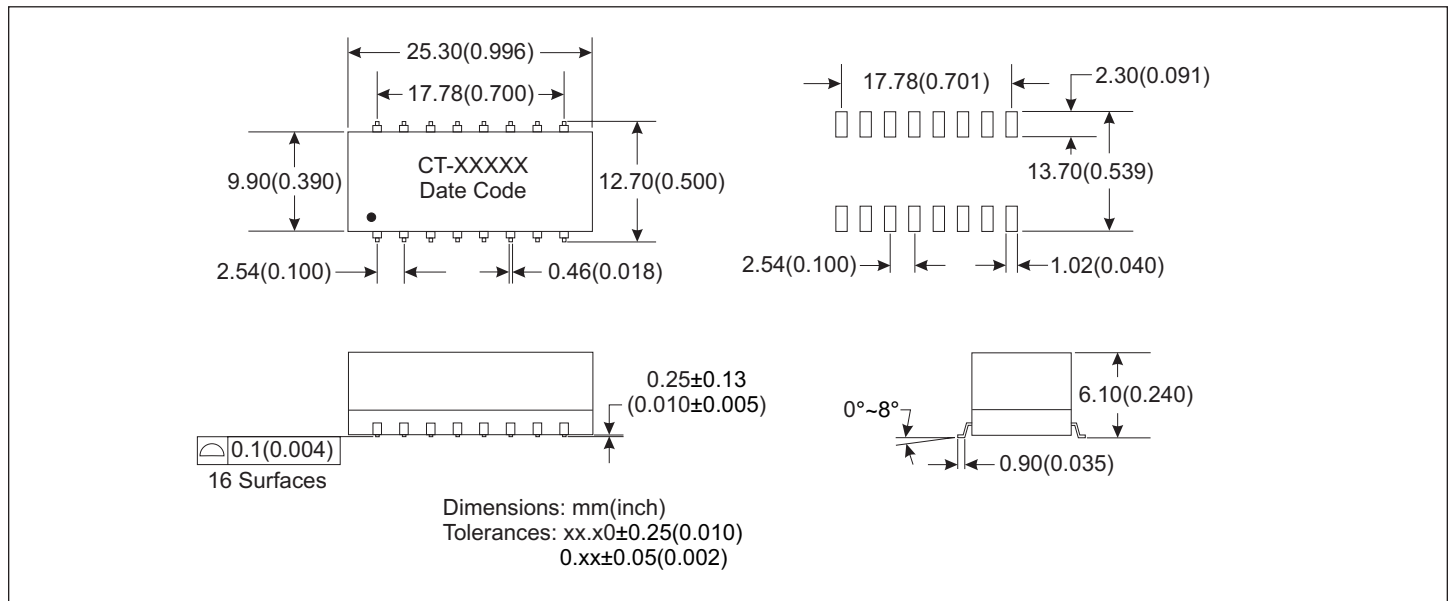
RoHS Compliant available.

CT-~~~~E Please specify "F" for RoHS compliant

ORDERING INFO

Part Number	Insertion Loss (dB Max.)	Return Loss (dB Min.)					Crosstalk (dB Min.)			Differential to Common Mode Rejection (dB Min.) TX/RX			Turn Ratio (±5%)	
		0.3~100MHz	30MHz	40MHz	50MHz	60MHz	80MHz	30MHz	30-60MHz	60-100MHz	30MHz	30-60MHz	60-100MHz	Transmit
CT-68511_	-1.1	-16	-14	-13.5	-13	-12	-40	-40	-38	-45/-40	-45/-40	-40/-35	1CT:1CT	1CT:1CT
CT-H1012_	-1.15	-16	-14	-13.5	-13	-12	-50	-40	-40	-45	-40	-35	1CT:1CT	1CT:1CT
CT-H1013_	-1.15	-16	-14	-13.5	-13	-12	-30	-30	-30	-40	-40	-40	1.414CT:1CT	1CT:1CT
CT-H1015_	-1.0	-16	-14	-13.5	-13	-12	-30	-30	-30	-	-	-	1.414CT:1CT	1CT:1CT
CT-H1019_	-1.15	-16	-14	-13.5	-13	-12	-40	-40	-38	-45/-40	-45/-40	-40/-35	1CT:1CT	1CT:1CT
CT-H1043_	-1.15	-16	-14	-13.5	-13	-12	-	-	-34	-	-	-	1.25CT:1CT	1CT:1CT
CT-H1081_	-2.0	-18	-	-	-12	-11	-	-	-	-	-	-	1.414CT:1CT	1CT:1CT
CT-H1117_	-1.15	-16	-14	-13.5	-13	-12	-50	-50	-40	-	-	-	1CT:1	1CT:1CT
CT-HX1148_	-1.5	-18	-13.5	-11.5	-10	-10	-40	-40	-40	-37	-37	-33	1CT:1CT	1CT:1CT

PHYSICAL DIMENSIONS



11.29.05



Manufacturer of Inductors, Chokes, Coils, Beads, Transformers & Toroids

800-684-5322 Inside US 949-453-1811 Outside US

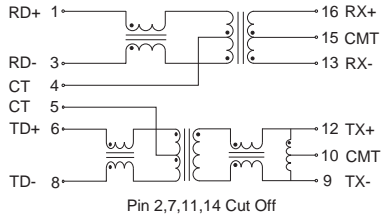
Copyright © 2005 by CT Magnetics, DBA Central Technologies. All rights reserved.

CT Magnetics reserves the right to make improvements or change specifications without notice

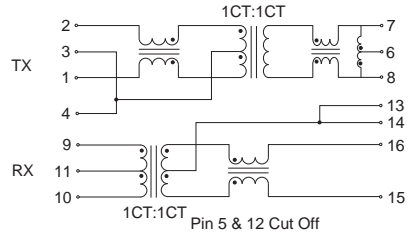
10/100 Base 16 Pin (SMD)

SCHEMATICS

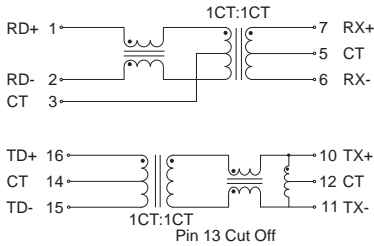
CT-68511



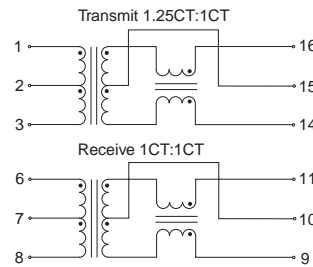
CT-H1019



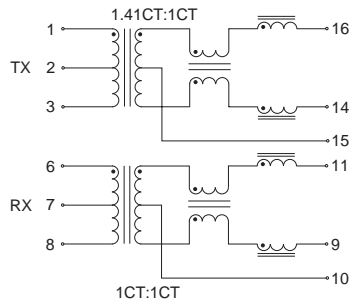
CT-H1012



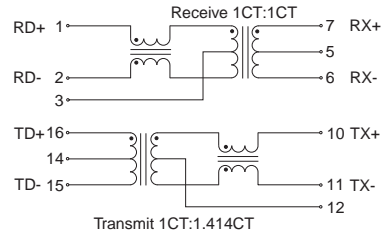
CT-H1043



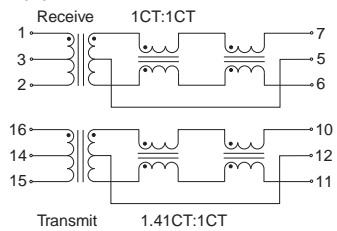
CT-H1013



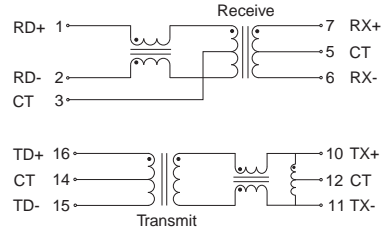
CT-H1081



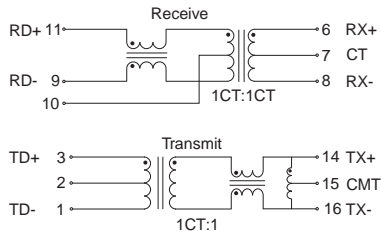
CT-H1015



CT-HX1148



CT-H1117



11.29.05