



TITLE

TI/E1/CEPT/ISDN-PRI DUAL TRANSFORMER

PN

32373

REV

D

AGENCY APPROVAL: NA

SH

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OF

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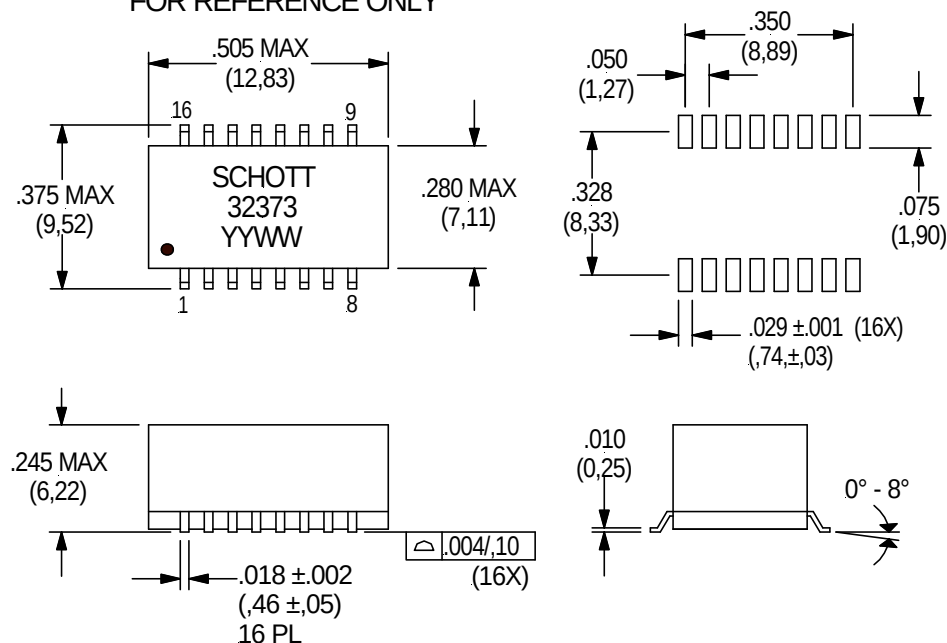
## SPECIFICATIONS:

1. TURNS RATIO: (16 - 14):(1 - 3) = 1:1.15CT  $\pm 5\%$   
(6 - 8):(11 - 9) = 1CT:2CT  $\pm 5\%$
2. INDUCTANCE: 10 kHz, 0.01 VRMS:  
16 - 14; 6 - 8; 1.20 mH & 1.20 mH MIN.
3. LEAKAGE INDUCTANCE: 1 MHz, 0.10 VRMS:  
16 - 14 (WITH 1,2,AND 3 SHORT) = 0.60  $\mu$ H MAX.  
6 - 8 (WITH 11,10,AND 9 SHORT) = 0.60  $\mu$ H MAX.
4. INTERWINDING CAPACITANCE: 1 MHz:  
PRI TO SEC; 30 & 30 pF MAX.
5. D.C. RESISTANCE: OHMS MAX  
PRI = 0.70 & 0.70  
(1 - 3) = 0.70 .  
(11 - 9) = 1.00
6. RETURN LOSS: PRIMARY, 75 OHM REF:  
51 kHz TO 102 kHz = 12 dB MIN.  
102 kHz TO 2.048 MHz = 18 dB MIN.  
2.048 MHz TO 3.072 MHz = 14 dB MIN.  
NOTE: 100 OHMS CONNECTED ON (1 - 3) FOR  
TEST ON (16 - 14) AND 300 OHMS CONNECTED  
ON (11 - 9) FOR TEST ON (6 - 8)  
TESTS TO BE PERFORMED ON EACH SIDE OF  
THE TRANSFORMER, INDEPENDENTLY.
7. DIELECTRIC VOLTAGE WITHSTAND FOR 1 MINUTE:  
PRI TO SEC; 1500 VAC.  
OR 2150 Vdc 1 SECOND ON VOLTECH
8. OPERATING TEMPERATURE RANGE: 0° TO 70°C
9. FLAMMABILITY: ALL MATERIALS RATED AS UL94-VO

NOTE:

PIN NUMBERS SHOWN  
FOR REFERENCE ONLY

REF: PWB LAYOUT



NOTE: PRIMARY  
PINS, 16 - 14; 6 - 8

