



TITLE

TI/E1/CEPT/ISDN-PRI DUAL TRANSFORMER

PN

32374

REV

B

AGENCY APPROVAL: NA

SH

2

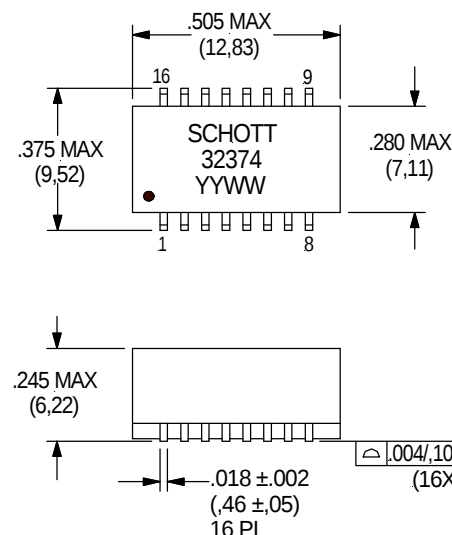
OF

2

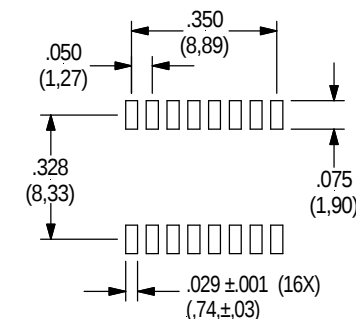
SPECIFICATIONS:

1. TURNS RATIO: $(16 - 14):(2 - 3)/(1 - 3) = 1:1.26CT \pm 5 \%$
 $(6 - 8):(11 - 9) = 1CT:2CT \pm 5 \%$
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 μ H MAX.
6 - 8 (WITH 11,10,AND 9 SHORT) = 0.60 μ 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) = 0.80 .
(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: CONNECT 120 OHMS TO 1 - 3 FOR TEST ON
16 - 14 AND 300 OHMS ON 11 - 9 FOR TEST ON 6 - 8.
TEST 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

