



TITLE

T1/E1 QUAD TRANSFORMER

PN

37531

REV

E

AGENCY APPROVAL: NA

SH

2

OF

12

CATALOG SHEET

SPECIFICATIONS

EXTENDED TEMP RANGE (-40C TO +85C)

1. INDUCTANCE: (PRI'S)

1.2mH MIN. @ 0.01V, 100kHz, (25C)

600μh MIN. @ 0.01V, 100kHz, (-40C TO +85C)

2. LEAKAGE INDUCTANCE: (PRI W/ SEC SHORTED)

.35μH MAX @ 1MHz

3. TURNS RATIO:

(PRI TO SEC)= 1 : 2CT ± 2%

4. INTERWINDING CAPACITANCE: (PRI TO SEC)

30 pf MAX @ 1MHz

5. DC RESISTANCE:

PRI = 0.6 OHMS MAX

SEC = 1.0 OHMS MAX

6. DIELECTRIC STRENGTH: (PRI TO SEC)

1500 VAC FOR 60 SECONDS

7. RETURN LOSS: (WINDING WITH TURNS RATIO 2 IS 100 OHM REF.)

51KHz TO 102KHz 12dB MIN

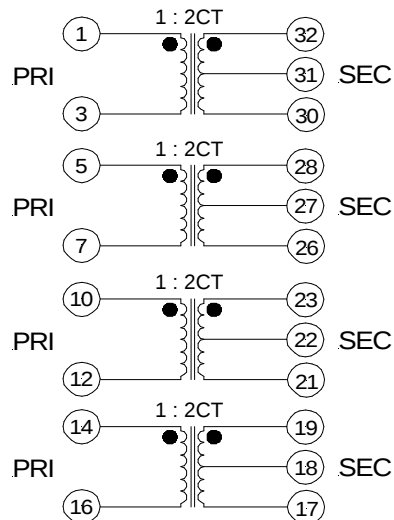
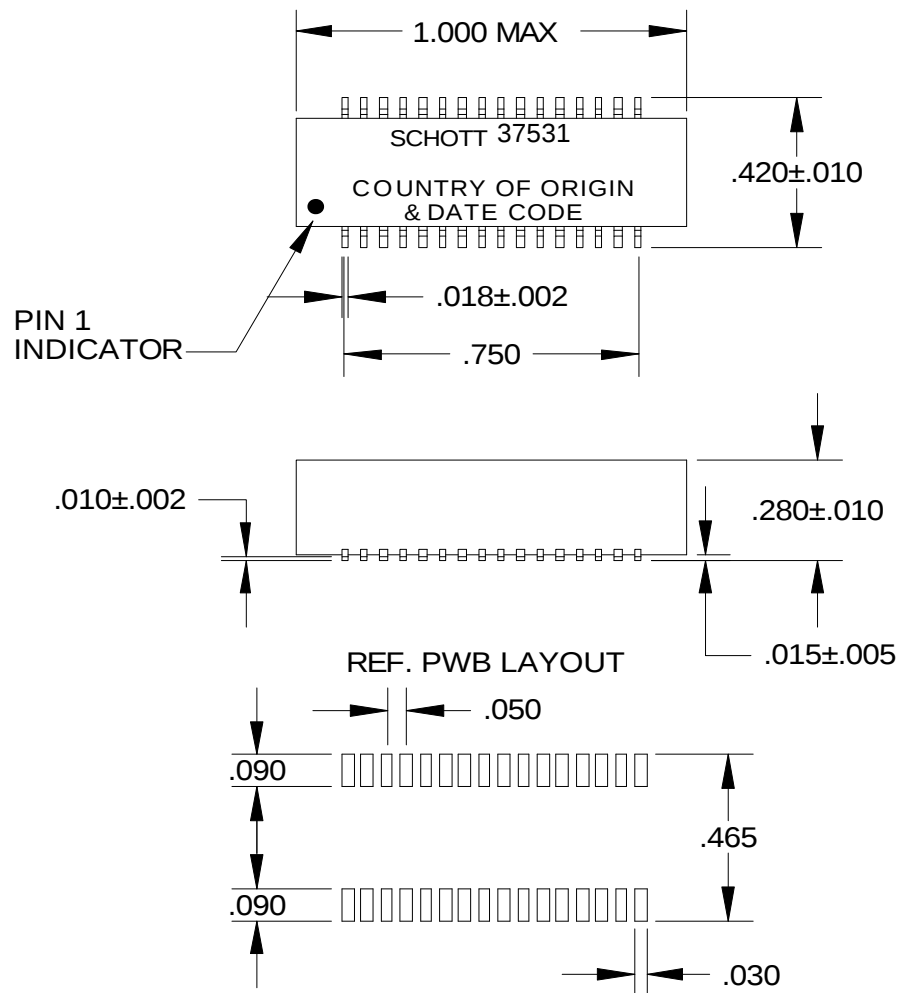
102KHz TO 2.048MHz 18dB MIN

2.048MHz TO 3.072 MHz 14dB MIN

8. CROSS TALK: 65dB OR BETTER

9. COMMON MODE REJECTION RATIO: 50 dB OR BETTER @ 1MHz

SCHEMATIC

DIMENSIONAL
OUTLINE

COPLANARITY OF PINS IS LESS THEN OR EQUAL TO 0.004 INCHES