



TITLE

## T1-E1 DUAL PACKAGE

PN

39020

REV

1

AGENCY APPROVAL: NA

SH

2

OF

12

DIMENSIONAL  
OUTLINE

REF. PWB LAYOUT

**OPERATING TEMPERATURE RANGE:** -40°C TO + 85°C**TURNS RATIO:**

(1-2-3) : (16-15-14)

1CT : 2.42CT  $\pm 3\%$ 

(6-7-8) : (11-10-9)

1CT : 2.42CT  $\pm 3\%$ **INDUCTANCE:**

(1-3) = (6-8)

1.2mH MIN. @ 0.01V, 10KHz, +85°C

600uH MIN. @ 0.01V, 10KHz, -40°C

**LEAKAGE INDUCTANCE:**

1-3 (WITH 16, 15, AND 14 SHORT)

0.5uH MAX @ 1MHz

6-8 (WITH 11, 10, AND 9 SHORT)

0.5uH MAX @ 1MHz

**INTERWINDING CAPACITANCE:**

(1, 2, 3) TO (16, 15, 14)

25pF MAX @ 1MHz

(6, 7, 8) TO (11, 10, 9)

25pF MAX @ 1MHz

**D.C. RESISTANCE:**

(1-2) = (2-3) = (6-7) = (7-8)

0.35 ohms MAX

(16-15) = (15-14) = (11-10) = (10-9)

0.6 ohms MAX

**DIELECTRICAL VOLTAGE WITHSTAND:**

(1, 2, 3) TO (16, 15, 14)

1500 VAC for 60 seconds

(6, 7, 8) TO (11, 10, 9)

1500 VAC for 60 seconds

**RETURN LOSS:** (WINDING WITH TURNS RATIO 2.42 IS 100 OHM REF.)

51KHz TO 102KHz

12dB MIN

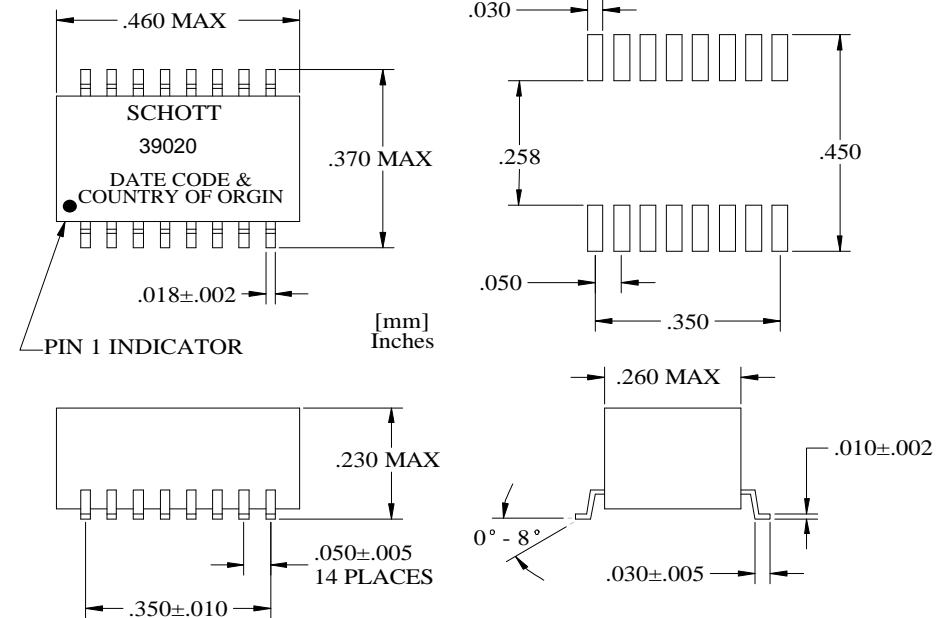
102KHz TO 2.048MHz

18dB MIN

2.048MHz TO 3.072MHz

14dB MIN

(17 OHM CONNECTED TO THE WINDING WITH TURNS RATIO 1)

**SCHEMATIC**

1CT : 2.42CT

