

TITLE
TRANSFORMER

SCHOTT CORPORATION
1000 PARKERS LAKE ROAD
WAYZATA, MN 55391

AGENCY APPROVAL:
BAPT 609623

PART NUMBER
30546
REV F PAGE 1 END

SPECIFICATIONS

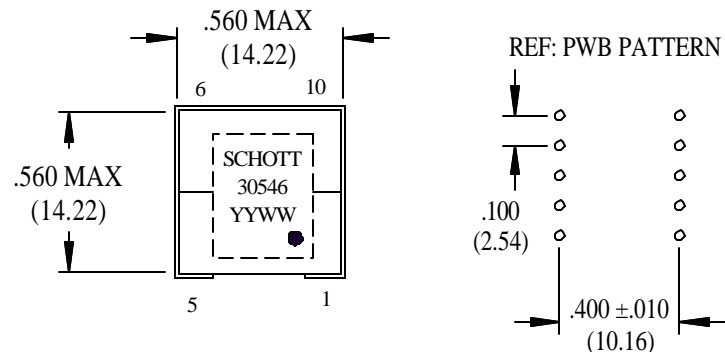
Operating Temperature - 40°C to +85°C

Designed to meet UL1950/IEC950 with reinforced isolation for working voltage of 150 V and with supplementary isolation for a working voltage of 300 V

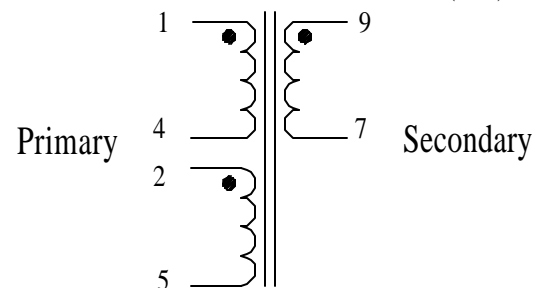
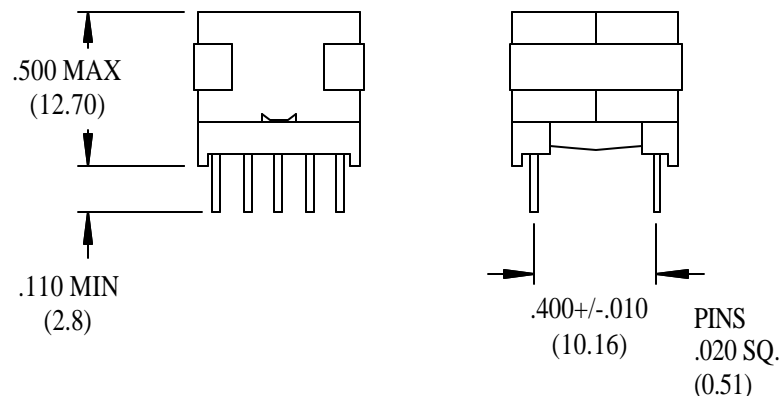
1. INDUCTANCE: @ 0.1 Vrms, 10 kHz
1-5 tie 4&2 = 2.82 to 3.3 mH
2. LEAKAGE INDUCTANCE: @ 0.1 Vrms, 100 kHz
1-5 (tie 4&2) short (9-7) = 11 µH MAX
3. TURNS RATIO: 1-5 (tie 4&2) : 9-7 = 2 : 1 ± 1%
4. DC RESISTANCE: 9-7 = 1.0 OHMS MAX
1-5 (tie 4&2) = 2.5 OHMS MAX
5. DIELECTRIC STRENGTH:
2050 Vac 1 second (alt. 2900 Vdc, 1 second)
Primary to Secondary-Safety Critical
6. LONGITUDINAL BALANCE: 40 kHz to 200 kHz = 53 dB MIN
7. FREQUENCY RESPONSE: 40 kHz to 200 kHz = ± 0.1 dB
8. RETURN LOSS: 20 dB MIN, 40 kHz TO 200 kHz
Rref = 135 OHMS, RL = 32 OHMS
9. INSERTION LOSS: 0.4 dB MAX, 200 kHz
RS = 135 OHMS, RL = 32 OHMS
10. THD @ 40 kHz, 14 dBm, = -70 dB Max.

Designed for use with BT8921/BT8970 at 784 kbps.

inches
(mm)



(A)



TOLERANCES UNLESS OTHERWISE NOTED	2 PLACE	3 PLACE	ANGLE
	+ .02	+ .005	+ °