

TITLE TRANSFORMER, HDSL2	SCHOTT CORPORATION 1000 PARKERS LAKE ROAD WAYZATA, MN 55391	AGENCY APPROVAL: PENDING	PART NUMBER 36679		
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SPECIFICATIONS

TEMP CLASS 130°C
DESIGNED TO MEET UL 1950 / IEC 950 REQUIREMENTS
WORKING VOLTAGE 250 VRMS, SUPPLEMENTARY INSULATION

1. INDUCTANCE: @ 10 kHz, 0.1 VRMS, 0-100 mAdc
@ 0 mAdc: 1-5 (TIE 2&4) = 1.85 - 2.15 mH
@ 100 mAdc: 1-5 (TIE 2&4) = 1.8 - 2.2 mH

2. LEAKAGE INDUCTANCE: @ 100 kHz, 0.1 VRMS
1-4-2-5 W / 10-8-9-7 SHORTED = 12 µH MAX

3. IWC: @ 100 kHz, 0.1 VRMS
1-4-2-5 TO 10-8-9-7 = 120 pF MAX

4. TURNS RATIO: 10-8 : 9-7 = 1 : 1 ± 2%
1-4 : 2-5 = 1 : 1 ± 1%
1-4-2-5 : 10-8-9-7 = 3 : 1 ± 2%

5. DC RESISTANCE: OHMS MAX
1-5 (TIE 2&4) = 2.5
10-7 (TIE 8&9) = 1.0

6. RETURN LOSS: @50K - 200 kHz = 15 dB MIN

7. LONGITUDINAL BALANCE: @ 20 kHz - 400 kHz = 55 dB MIN
1-4-2-5, 135 OHMS INPUT, 10-8-7-9 = 15 OHM LOAD

8. DIELECTRIC STRENGTH: 1500 VAC, 1 MINUTE
(1800 Vrms or 2500 Vdc , 1 SECOND)
1-2-4-5 TO 10-8-9-7
ALL WINDINGS TO CORE

9. HARMONIC DISTORTION:
V1= @ 20 kHz - 200 kHz (4.95 VRMS) 1-4-2-5 = 135 OHM INPUT
10-8-9-7 = 15 OHM LOAD, V2 = -80 dB MAX

NOTE:
COPLANARITY < .004 (0.10)

inch
(mm)

TOLERANCES	2 PLACE	3 PLACE	ANGLE
UNLESS OTHERWISE NOTED	± -	± -	± °