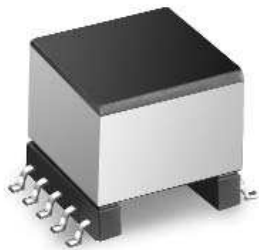





SHDSL/HDSL2/HDSL4 LINE TRANSFORMER

For Use with GlobespanVirata Chipset



-  Matched to GlobespanVirata Orion Chipset
-  Excellent THD performance
-  Designed to meet UL 60950, IEC 60950, and GR1089 for supplementary insulation requirements for working voltages up to 250 Vrms

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

Part Number	Turns Ratio Chip-Line (± 2%)	Inductance Line Side (1-5) with (2-4) shorted	Leakage Inductance (1-5) with (2-4) & (9-7) shorted	Isolation Voltage	
				(1-5) to (9-7)	(1-5)
B1074B	1:5.4	3.00 mH ±6%	15 µH MAX	1500 Vrms MIN	600 Vrms MIN

Additional Electrical Specifications

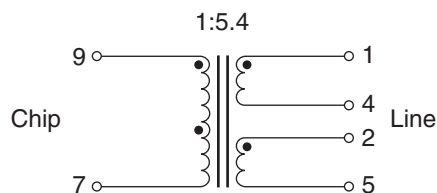
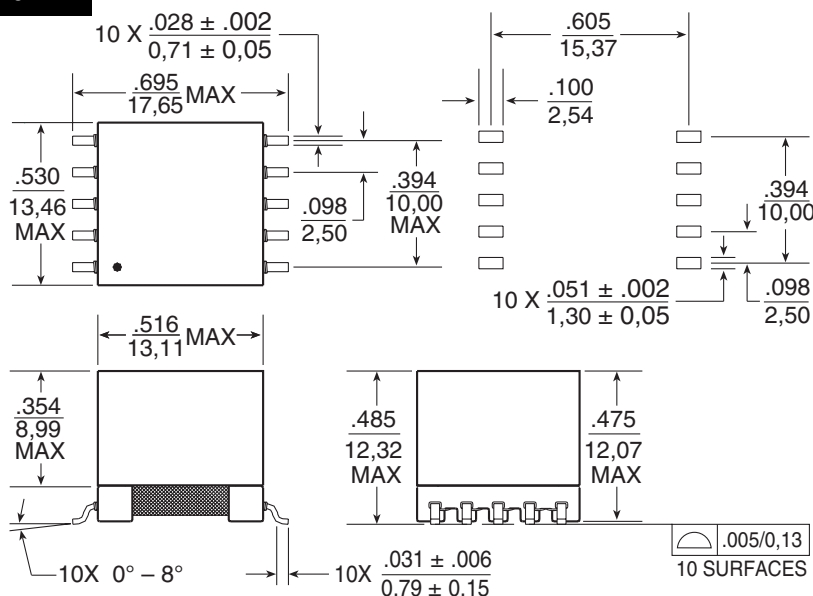
Part Number	DCR Line Side (1-5) with (2-4) shorted	DCR Chip Side (9-7)	Return Loss 135 Ω Line Side (40-500 kHz)	Longitudinal Balance (20-500 kHz)	THD (4 Vrms @ 5 kHz)
B1074B	4.2 Ω (MAX)	.35 Ω (MAX)	15 dB MIN	55 dB MIN	-79 dB MAX

NOTE: Transformers are shipped in trays, unless Tape & Reel packaging is specified by adding the suffix "T" to the part number (ex: B1074BT).

Mechanical

Schematic

B1074B



Weight62 grams

Tray60/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified,
all tolerances are ± $\frac{.010}{0,25}$

For More Information :

UNITED STATES (Worldwide)

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
<http://www.pulseeng.com>
TEL: 858 674 8100
FAX: 858 674 8262

UNITED KINGDOM (Northern Europe)

1 & 2 Huxley Road
The Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

FRANCE (Southern Europe)

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

SINGAPORE (Southern Asia)

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 6287 8998
FAX: 65 6280 0080

TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1
HsinTai Wu Road
Hsi-Chih, Taipei Hsien
Taiwan, R.O.C.
Tel: 886 2 2698 0228
FAX: 886 2 2698 0948

HONG KONG (China/Hong Kong)

9/F, Phase 2, Tai Sang
Shatin Warehouse Centre
6 Wong Chuk Yeung Street
Fotan, Shatin, Hong Kong
TEL: 852 2788 6588
FAX: 852 2776 1055

DISTRIBUTOR

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.

©2004, Pulse Engineering, Inc. All Rights Reserved.

B803.A (6/04)