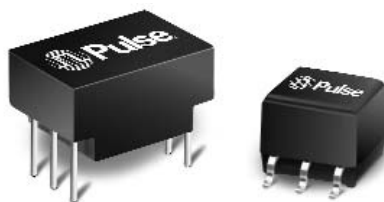


VDSL TRANSFORMERS

For Use with Broadcom and Texas Instruments Chipset



- For use with Broadcom's BCM6315 transceiver chip
- B4020, B4021 and BX4055: for use with Texas Instrument's TNETD800 chipset
- Excellent return loss and balance
- Surface mount or through hole package

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

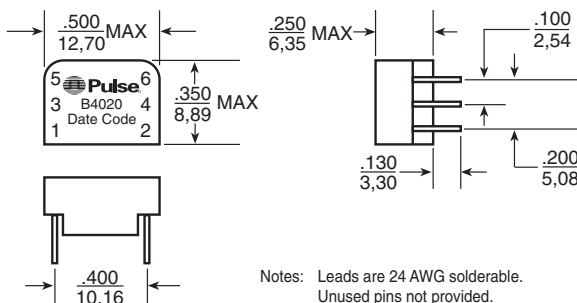
Part Number	Turns Ratio	Inductance (μH MIN)	Return Loss (dB MIN)	Insertion Loss* (dB MAX)	Line Impedance (Ω)	Longitudinal Balance (dB TYP)	CM Rejection (dB TYP)	Isolation Voltage (Vrms)
B4020 (THT)	1CT:1CT	190	300 kHz to 1 MHz: 18	200 kHz to 1 MHz: 0.8	100	200 kHz: 60	10 MHz: 35	3000
			1 MHz to 11 MHz: 20	1 MHz to 30 MHz: 0.7		11 MHz: 42	30 MHz: 33	
			11 MHz to 30 MHz: 16			100 MHz: 30	100 MHz: 25	
BX4055 (SMT)	1:1	190	300 kHz to 20 MHz: 20	200 kHz to 400 kHz: .75	100	200 kHz: 60	10 MHz: 35	1500
B4021 (SMT)	1CT:1CT		20 MHz to 30 MHz: 18	400 kHz to 30 MHz: .50		11 MHz: 50	30 MHz: 33	
						100 MHz: 40	100 MHz: 30	
BX4056 (SMT)	1:1.16	190	300 kHz to 1 MHz: 15	200 kHz to 400 kHz: 0.75	135	200 kHz: 60	10 MHz: 35	1500
			1 MHz to 20 MHz: 20	400 kHz to 30 MHz: 0.60		11 MHz: 50	30 MHz: 33	
			20 MHz to 30 MHz: 17			100 MHz: 40	100 MHz: 30	

NOTES - Surge Voltage Capability: Metallic: 800 Vpeak 10/560 μsec. Long.: 2400 Vpeak 10/700 μsec. B4020 is designed to meet the requirements for supplementary isolation according to IEC950. Common Mode Chokes to reduce common mode ingress from AM Broadcast or HAM Radios are available. See data sheet B912 for parts B4001 and B4003.

Mechanicals

Schematics

B4020



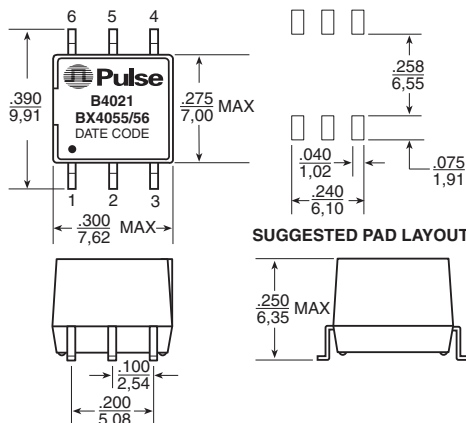
Weight.....1.2 grams

Tube.....60/tube

Dimensions: Inches
mm

Unless otherwise specified, all tolerances are ± .010
0,25

B4021/BX4055/BX4056



B4021



BX4055 & BX4056

Weight.....0.6 grams

Tube.....70/tube

Dimensions: Inches
mm

Unless otherwise specified, all tolerances are ± .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: 65 287 8998
FAX: 65 280 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)

19/F, China United Plaza
1008 Tai Nan West Street
Cheung Sha Wan, Kowloon
Hong Kong, China
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 products and/or registered trademarks of their respective owners.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:

B4021NL