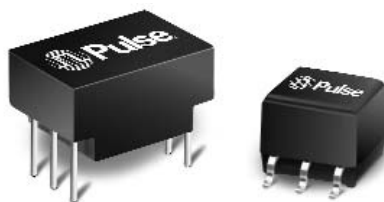


VDSL TRANSFORMERS

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

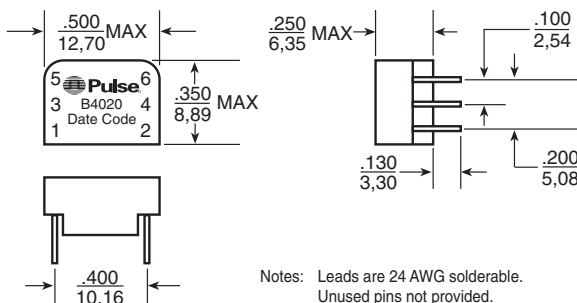
Part Number	Turns Ratio	Inductance (μH MIN)	Return Loss (dB MIN)	Insertion Loss* (dB MAX)	Line Impedance (Ω)	Longitudinal Balance (dB TYP)	CM Rejection (dB TYP)	Isolation Voltage (Vrms)
B4020 (THT)	1CT:1CT	190	300 kHz to 1 MHz: 18	200 kHz to 1 MHz: 0.8	100	200 kHz: 60	10 MHz: 35	3000
			1 MHz to 11 MHz: 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



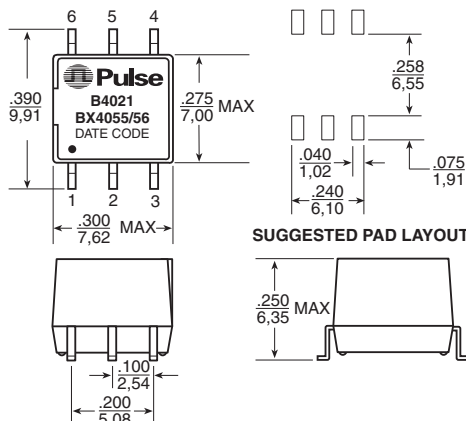
Weight.....1.2 grams

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

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