

HYBRID VDSL TRANSFORMER

For Use With Infineon VDSL 2-band, 4-band and 10Base-S Chipsets



- Approved and recommended by Infineon for use with PEF22810/11/15/25 VDSL and 10Base-S chipsets
- Hybrid transformer for VDSL Applications
- Designed to meet IEC950 supplementary insulation requirements

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

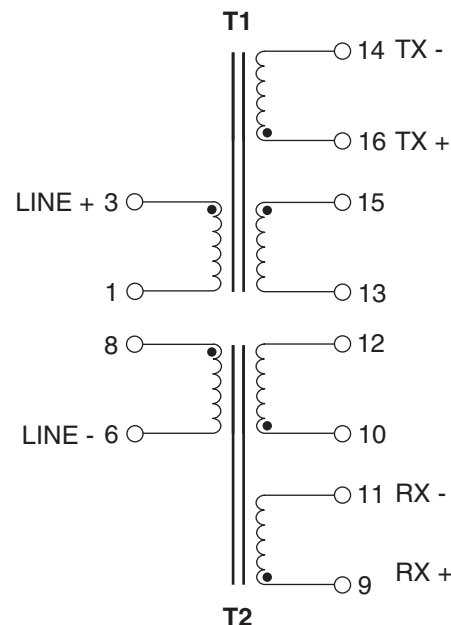
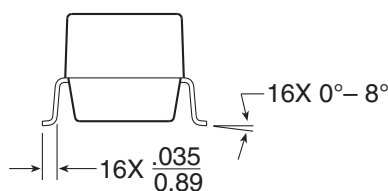
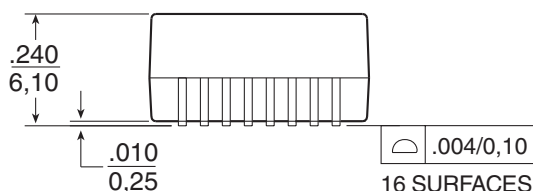
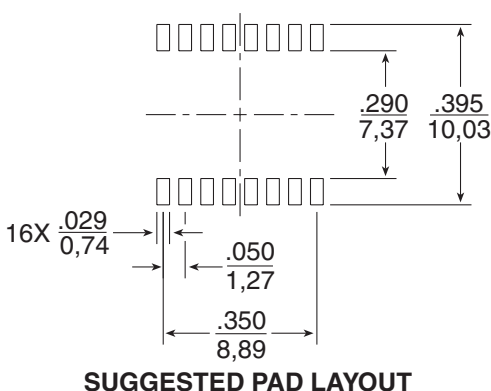
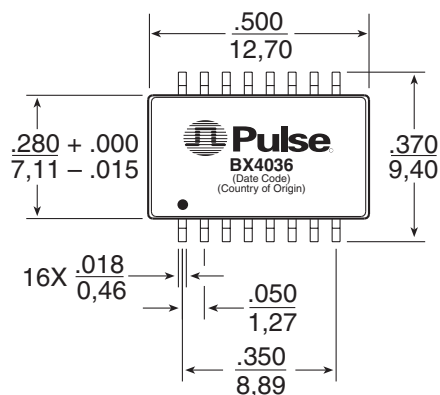
Part Number	Frequency	Insertion Loss (dB MAX)		Return Loss (dB MIN)	Transhybrid Loss (dB MIN)	Impedance (Ω)		Isolation Voltage (Vrms)
		TX	RX					
BX4036	@ 1 MHz	—	—	20	45	TX	40	1500
	100 kHz-12 MHz	1	0.5	15	25	RX	270	
	100 kHz-20 MHz	2	1	10	20	Line	120	

NOTE: Transformers are shipped in trays unless Tape & Reel packaging is specified by adding the suffix "T" to the part number (i.e. BX4036T).

Mechanical

Schematic

BX4036



Weight1.0 grams
Tape & Reel600/reel
Tube40/tube

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

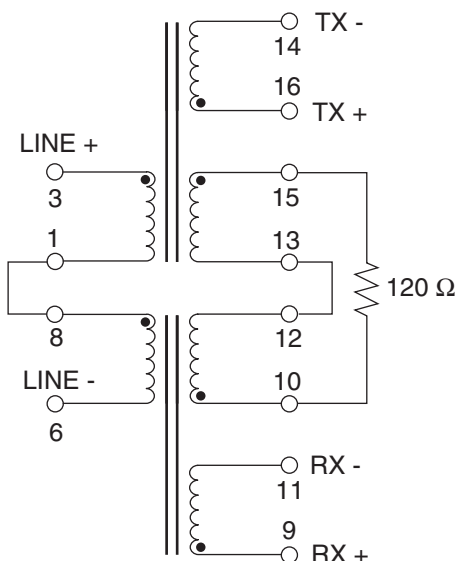
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

HYBRID VDSL TRANSFORMER

For Use With Infineon VDSL 2-band, 4-band
and 10Base-S Chipsets

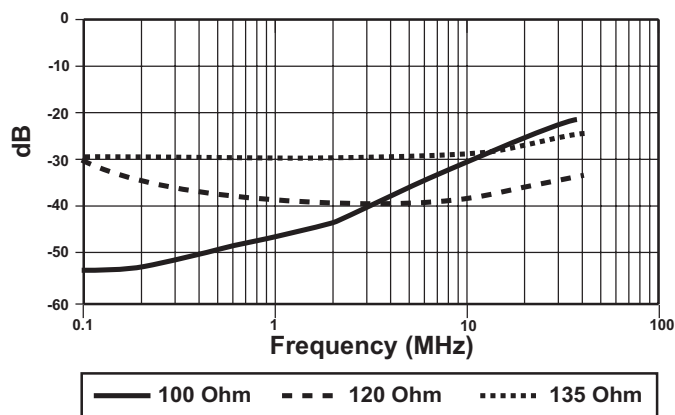


Application Circuit — BX4036

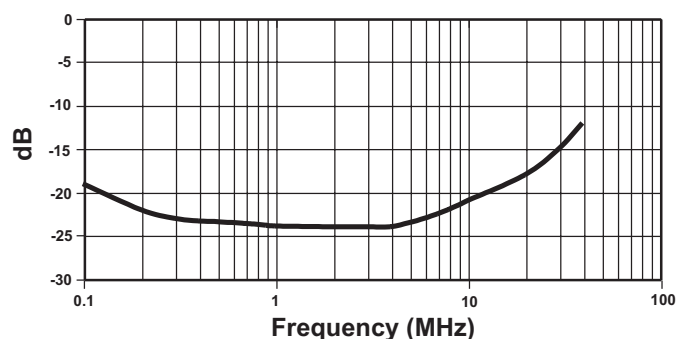


Typical Performance @ 25°C — BX4036

Typical Transhybrid Loss for Line Load



Return Loss



For More Information :

UNITED STATES (Worldwide)	UNITED KINGDOM (Northern Europe)	FRANCE (Southern Europe)	SINGAPORE (Southern Asia)	TAIWAN, R.O.C. (Northern Asia)	HONG KONG (China/Hong Kong)	DISTRIBUTOR
12220 World Trade Drive San Diego, CA 92128 U.S.A. http://www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	1 & 2 Huxley Road The Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701	Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 287 8998 FAX: 65 280 0080	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	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	

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.