

xDSL & HPN PRODUCTS

VDSL TRANSFORMERS (continued)

VDSL Line Transformers & Chipsets					
Part Number	Inductance (µH ±10%)	Isolation Voltage (VRMS)	Turns Ratio TX	Turns Ratio RX	Data Sheet
Ikanos: VDSL Chipset					
BX4154L	340	1500	1.5:1	—	B887
BX4185L	340	1500	1.86:1	—	B887
BX4187L	100	1500	1.86:1	—	B887
BX4197L	470	1500	1.86:1	—	B887
Infineon: VDSL5000i and 6000i CO/CPE* Chipsets					
BX4102W	2000	1500	4:3	—	B874
BX4104W	770	1500	1:1.16	—	B875
BX4107	800	1500	4:3	—	B876
Infineon: VDSL2 Chipsets					
BX4175WNL	270	1500	4:3	—	B875
Metalink: VDSL Chipset					
B4033	1000	1500	1:3	2:3	B998
B4034	1600	1500	1:3.5	2:3.5	B998
Metalink: MTV9141 Chipset					
B4064	1130	1500	1:3.6	2:3.6	B846
Metalink: MTV9142 Chipset					
BX4081W	280	1500	1:3	2:3.6	B846
Texas Instruments TNETD8000 Chipset					
B4020	190	3000	1CT:1CT	—	B981
B4021	190	1500	1CT:1CT	—	B981

VDSL Filter Solutions					
Part Number	Passband Frequency (dB MAX)	Insertion Loss (dB MIN)	Return Loss TX	Impedance (Ω) RX	Data Sheet
Quadport CO Filter Modules for 2-band, 10Base-S Infineon Chipsets²					
BX4037 ¹	1 MHz–7.9 MHz	1.5	12	40 270	B809
BX4038 ¹	1 MHz–7.9 MHz	1.5	12	40 270	B809
Single Port CPE Filter Modules for PEB22811/12/22 Infineon Chipsets³					
BX4039 ⁴	1 MHz–7.9 MHz	1.0	12	40 270	B819
BX4040 ⁴	1 MHz–7.9 MHz	1.0	12	40 270	B819
Quadport CO Filter Modules for 4-band Plan 998 Infineon Chipsets¹					
BX4041A	0.9 MHz–11.9 MHz	—	12	40 270	B832
BX4044	0.9 MHz–11.9 MHz	—	12	40 270	B832
Single Port CPE Filter Modules for 4-band Plan 998 Infineon Chipsets²					
BX4042	0.13 MHz–11.9 MHz	—	12	40 270	B833
BX4045	0.13 MHz–11.9 MHz	—	12	40 270	B833

- BX4037** for ADSL over ISDN, **BX4038** for Smartphone applications
- Including** HPF splitter, hybrid transformer, TX & RX separation filters and common mode chokes
- Including** HPF splitter, hybrid transformer, TX & RX separation filters
- BX4039** for over ISDN, **BX4040** for Smartphone applications

ADSL TRANSFORMERS

ADSL Transformers & Chipsets					
Part Number	Application*	Isolation Voltage (VRMS)	Turns Ratio Chip-Line	Inductance (µH ±10%)	Data Sheet
Analog Devices: AD20msp910/AD20msp918 ADSL Chipsets					
B2031	CO/CPE	1500	1:1	5000	B906
B2032	CO/CPE	1500	1:1	5000	B906
B2104	CO/CPE	1500	1:1.27	2000	B950
B2105	CO/CPE	1500	1:1.27	2000	B950
Analog Devices: AD20msp930 ADSL Chipset					
B2136	CO	1500	1:1.1	1750	B955
B2137 ¹	CO	1500	1:1.1	1750	B955
B2162 ¹	CO	1500	1:1.1	1750	B957
B2168 ¹	ADSL/ISDN CO	1500	1:1	100	B955
B2188	ADSL/ISDN CO	1500	1:1	100	B955
Analog Devices: Eagle I & Eagle II					
BX2506J ¹	CPE	1500	1:2.29	1200	B840
Broadcom: BCM6410/20 - ADSL Bladerunner Chipsets					
BX2303WA ¹	ADSL/ISDN CO	1500	1:1.41	100	B811
BX2302WA ¹	CO	1500	1:1.41	410	B811
BX2619W ¹	CO	1500	1:2	420	B811
BX2644L ¹	CO	1599	1:2	420	B811
Broadcom: BCM6335 and BCM6345					
BX2483W ¹	CPE	1500	1:2	410	B847
Broadcom: BCM6335 and BCM6338					
BX2542L ¹	CPE	1500	1:4.25/1:1	400	B848
BX2606LNL ¹	ADSL/ISDN CPE	1500	1:4.25/1:1	100	B848
Centillium: CT-L50SC04/CT-L50ST81, CT-L21SC08/CT-L41SC04 ADSL Chipsets					
B2178 ¹	CO	1500	1:1	450	B979
B2189 ¹	CO/CPE	1500	1:1.8	450	B979
Centillium: CT-L21ST30, CT-L22Sx15/30, CT-L4xSx15/30, CT-L5/L6xSx81 ADSL Chipsets					
BX2353 ¹	CPE	1500	1:2.13	5000	B999
BX2358 ¹	CPE	1500	1:1	5000	B999
BX2511L ¹	CO	1500	1:0.9	1000	B862
BX2512J ¹	CO	1500	1:0.9	1000	B862

- When ordering Tape & Reel on SMT parts, add a "T" suffix to the part number.**
- Alternative footprint options are on the data sheet.**

ADSL Transformers & Chipsets					
Part Number	Application*	Isolation Voltage (VRMS)	Turns Ratio Chip-Line	Inductance (µH ±10%)	Data Sheet
Centillium: Palladia CPT73X01 CPE ADSL Chipsets					
BX2460 ¹	CPE	1500	1:2.5	5000	B828
BX2462 ¹	CPE	1500	1:1	5000	B828
Centillium: CT-L53/63/73SC08 ADSL Chipsets					
BX2347	CO	1500	1:1	850	B994
BX2348 ¹	CO	1500	1:1	850	B994
BX2380	CO	1500	1:1.8	850	B994
BX2349 ¹	CO	1500	1:1.8	850	B994
Centillium: MAXIMUS ADSL Chipsets					
BX2349 ¹	CO	1500	1:1.8	850	B994
BX2538L ¹	CO	1500	1:1.2	850	B839
Conexant: ADSL G7000 DMT Chipset					
BX2564W ¹	CO	1500	1:0.92	850	B867
B2139	CPE	1875	1:1	407	B958
Conexant: Titanium Forte ADSL Chipsets					
BX2367 ¹	CO	1500	1:2	474	B997
BX2369JB/WA ^{1,3}	CO	1500	1:1.41	474	B991
BX2372JB/WA ^{1,3}	CO	1500	1:1.15	474	B991
Conexant: Jupiter, Saturn G16, G18, Octane ADSL Chipsets					
B2414JB ^{1,3}	CO	1500	1:0.95	750	B991
Conexant: Octane, G24 ADSL Chipsets with Intersil Drivers					
B2517JB ¹	CO	1500	1:0.95	760	B836
BX2485L ¹	CO	1500	1:0.9	1000	B836
BX2575L ¹	CO	1500	1:0.9	1000	B864
Conexant: Octane Plus ADSL Chipsets with Intersil Drivers					
BX2511L ¹	CO	1500	1:0.9	1000	B862
BX2512J ¹	CO	1500	1:0.9	1000	B862

- When ordering Tape & Reel on SMT parts, add a "T" suffix to the part number.**

Continued on next page

*CO - Central Office, CPE - Customer Premises Equipment

SMT - Surface Mount Package

THT - Through Hole Package

xDSL & HPN PRODUCTS

ADSL TRANSFORMERS *(continued)*

ADSL Transformers & Chipsets *(continued)*

Part Number	Application*	Isolation Voltage (V _{RMS})	Turns Ratio Chip-Line	Inductance (µH ±10%)	Data Sheet
Conexant: Octane, G24 ADSL Chipsets with Legerity Drivers					
BX2510W ¹	CO	1500	1:0.408	750	B855
BX2516W ¹	CO	1500	1:0.408	1100	B855
BX2572W ¹	ADSL/ISDN CO	1500	1:0.408	100	B854
Conexant: Viking and Café CPE ADSL Chipsets					
BX2577L ¹	CPE	1500	1:4/1:2	700	B841
Infinion: PEB22716 - GEMINAX ADSL Chipset					
BX2274J ¹	CO	1500	1.33:1	1400	B812
BX2569L ¹	CO	1500	1.31:1	1400	B895
Infinion: Amazon ADSL Chipset					
BX2913LNL ¹	CPE	1500	1:4.2/1:2	1400	B889
BX2917LNL ¹	ADSL/ISDN CPE	1500	1.3/6/1:1.85	200	B889
Texas Instruments: TNETD4000C ADSL Chipset					
B2132 ¹	CO	1500	1:1.95	1500	B954
Texas Instruments: TNETD4500x ADSL Chipset					
B2243 ¹	CO	1500	1:2	400	B823
B2133 ¹	ADSL/ISDN CO	1500	1:2	75	B823
Texas Instruments: AC5, AC6 Chipset					
B2205 ¹	CO	1500	1:1.9	400 ²	B985
BX2375 ¹	ADSL/ISDN CO	1500	1:1.9	92.5	B985
Texas Instruments: AC7 CO Chipset					
BX2513W ¹	CO	1500	1:1.11	400 ²	B873
Texas Instruments: AP5, AR5, and AU5 Chipsets					
BX2361 ¹	CPE	1500	1:2	1500 ²	B988
BT2361 ¹	CPE	1500	1:2	1500 ²	B806
BX2382 ¹	CPE	1500	1:2	1500 ²	B988
Texas Instruments: AP7, AR7, and AU7 Chipsets					
BX2479H	CPE	1500	1:2	1500	B834
BX2479W ¹	CPE	1500	1:2	1500	B834
BX2243H	ADSL/ISDN CPE	1500	1:2	400	B834

1. When ordering Tape & Reel on SMT parts, add a "T" suffix to the part number.
2. ±5%
3. Alternative footprint options are on the data sheet.

HDSL2/G.SHDSL

Transformers

Part Number	Matched to:	Turns Ratio Chip-Line (±3%)	Inductance Line Side	Data Sheet
Infinion Chipsets				
B1093	PEB22622	3.2:1:1	3.00	B993
	PEF22623/24622			
B1063	PEB22622	3.2:1:1	3.00	B993
	PEF22623/24622			
BX1196L	Socrates	4.5:1	3.00	B888
BX1194W	PEB22622	3.2:1:1	3.00	B835
	PEF22623/24622			
Conexant Chipsets				
B1074B	Orion	1:5.4	3.00	B803

*CO - Central Office, CPE - Customer Premises Equipment

ADSL INDUCTORS

ADSL Inductors: Filters & Chipsets

Part Number	Inductance	DC Resistance (Ω Max 2 pair)	Isolation Voltage (V _{RMS})	Mounting	Data Sheet
Inductors for use in ADSL Filters					
B2023	6.0 mH ±5%	4.0	1500	THT	B902
B2024	4.0 mH ±5%	3.0	1500	THT	B902
B2025	3.0 mH ±5%	2.5	1500	THT	B902
B2026	10.0 mH ±5%	6.0	1500	THT	B902
B2086	4.0 mH ±10%	3.6	1500	SMT	B902
B2113	2.25 mH ±10%	2.25	500	THT	B902
B2114	1.425 mH ±10%	2.25	500	THT	B902
B2116	1.65 mH ±10%	2.25	500	THT	B902
B2117	1.35 mH ±10%	2.25	500	THT	B902
B2118	0.8 mH ±10%	2.0	500	THT	B902
B2184	91.0 µH ±7%	3.13	500	SMT	B843
B2198	74.06 µH ±7%	5.0	500	SMT	B843
BX2128	500 µH ±7%	12.0	500	SMT	B843
BX8082	140.0 µH ±7%	6.0	500	SMT	B843
Inductors for use with STMicroelectronics DynaMiTe Chipset					
B2061	282.5 µH ±5%	1.0	500	THT	B963
B2062	238.5 µH ±5%	0.76	500	THT	B963
B2099	500.5 µH ±10%	2.10	500	THT	B963
B2100	91.0 µH ±10%	0.85	500	THT	B963
B2101	96.0 µH ±5%	0.42	500	THT	B963
BX8115	500 µH ±7%	9.0	500	SMT	B843
BX8118	282 µH ±7%	9.0	500	SMT	B843
BX8153	5.0 µH ±7%	0.7	500	SMT	B843
BX8253W	185 µH ±7%	4.75	500	SMT	B843
BX8254W	110 µH ±7%	2.5	500	SMT	B843
Inductors for use with Centillum CT-L50SC04 Chipset					
B2208	170.0 µH ±7%	4.0	500	SMT	B843
B2209	300.0 µH ±7%	7.0	500	SMT	B843
B2210	455.0 µH ±7%	9.0	500	SMT	B843
Inductors for use with GlobespanVirata Chipset					
B2125A	50.0 µH ±7%	2.0	500	SMT	B843
B2126A	170.0 µH ±7%	6.5	500	SMT	B843
B2127A	340.0 µH ±7%	7.5	500	SMT	B843
B2155	205.0 µH ±7%	6.0	500	SMT	B843
BX8195	102.5 µH ±5%	6.0	500	SMT	B843
Inductors for use with Infineon IVD Chipset					
BX8027W	6.8 mH ±5%	5.0	500	SMT	B869
Inductors for use with Legerity CO Chipset					
BX8266L	32 mH ±10%	15	600	SMD	B804
BX8267L	16 mH min	15	600	SMD	B804



CUSTOMER PREMISE EQUIPMENT

DSL Microfilters

Part Number	Specification	Region
Z-330PJ	ANSI T1.421	North America
Z-369LS	Anatel Approved	Latin America
Z-470P2J	ETSI TS 101 952-1-5	Europe

NOTE: See CPE section for additional products and applications.

SMT - Surface Mount Package

THT - Through Hole Package