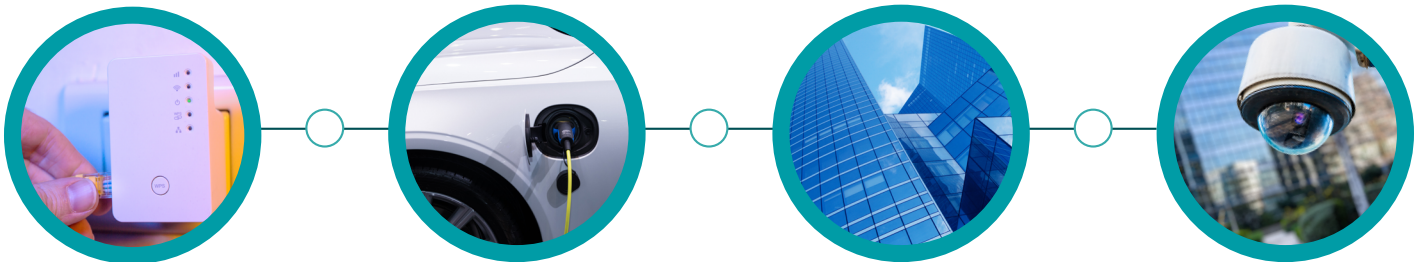




SMT POWER LINE COMMUNICATION TRANSFORMERS

PULSE ELECTRONICS "SMT" SERIES OF COMMUNICATION TRANSFORMERS ARE SUITABLE FOR ALL INDUSTRIAL AND OUTDOOR APPLICATIONS

Pulse Electronics launches a selection of wide band Power Line Communication transformers than can be used in residential, industrial or automotive applications. The PLC designs are offered in Surface Mount packages with High Isolation and small footprint. These PLC parts are for detection and transmission of wideband Low voltage differential data and communication signals (LVDS) operating on carrier frequencies above 300kHz. The BM6154NL, BM6155NL and BMU6201NL, meet automotive temperature grade 1 and 2 respectively and are backed up by high reliability, high volume manufacturing and longterm support. They also meet AEC-Q200 automotive reliability requirements and can be manufacture in an ISO/IATF16949 facility.



KEY APPLICATIONS

Home PLC hubs and Wi-Fi boosters, Industrial and eVehicle Battery charging, Motor Control, Sensing and Remote Metering, Building Control, Security and Access.

FEATURED PRODUCTS

- BX6150NL
- BX6152NL
- BX6153NL
- BX6158NL
- BMU6201NL*
- BM6154NL*
- BM6155NL*

FEATURES & BENEFITS

- Wideband Frequency response 3~30MHz
- Industrial and Automotive Temperature ranges
- Turns ratio supports variety of PLC chipsets
- Designed with IEC-62368 for 250v mains supply
- Automotive options meet AEC-Q200 and can be converted to ISO/IATF16949 and PPAP designs.

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Industrial and Automotive PLC Transformers							
Part Number	Turns Ratio TX:RX:LINE	Isolation Voltage	OCL (uH)	Package size (L x W x H) mm	Insulation Class	AEC-Q200	Temp. Rating
BX6150NL	1:2CT:2	4KVac	12uH @100kHz	13.4 x 15.0 x 6.5	Supplementary	No	-40°C to +125°C
BX6152NL	1:1:1	3KVac	12uH @500kHz	10.3 x 14.0 x 7.6	Reinforced	No	-40°C to +85°C
BX6153NL	1:1	4KVac	20uH @500kHz	10.3 x 14.0 x 7.6	Reinforced	No	-40°C to +85°C
BX6158NL	1:1:1	3KVac	20uH @100kHz	10.4 x 15.1 x 7.3	Supplementary	No	-40°C to +125°C
BMU6201NL*	1:1:1	500Vac	5uH @100kHz	5.0 x 8.1 x 3.9	Functional	Qualified	-40°C to +105°C
BM6154NL*	1:1:1	3KVac	8uH @100kHz	10.6 x 12.4 x 10.0	Supplementary	Qualified	-40°C to +125°C
BM6155NL*	1:1:1	3KVac	28uH @100kHz	10.6 x 12.4 x 10.0	Supplementary	Qualified	-40°C to +125°C

* Contact Pulse FAE's and Sales Team for other package sizes and configurations including Narrow band solutions from the Power BU.

* Custom option may be considered.



• Catalog and Custom Solutions Available •