



PRESS RELEASE

Twisted Pair to Coaxial Cable Balun Enables Signal Conversion to Support IPTV Deployments

- **Allows DSL or HPN frequencies to be Transmitted from Twisted Pair to Coaxial Mediums, and Vice Versa**

Focus EDL, the leading electronic components distributor, introduces a twisted pair to coaxial balun that allows digital subscriber line (DSL) or home phoneline networking (HPN) frequencies to be transmitted from twisted pair to coaxial mediums, and vice versa, to support VDSL2 and HomePNA™ deployments.

Manufactured by Pulse under its Excelsus brand, the B-V175 balun is easily installed with simple plug-in connections. It matches a 100Ω twisted pair cable, which is a balanced signal, to a 75Ω coaxial cable, which is an unbalanced signal, without degrading the signal.

Telephone companies transmit their signals over twisted pair wiring. A balun is a passive electronic device that converts between balanced and unbalanced electrical signals. With the Excelsus B-V175, the twisted pair telephone or VDSL2 connectors are plugged into one end of the balun and a coaxial cable that is connected to the other end of the balun is plugged into a set-top box. The signal from the phone/VDSL2 line is then able to be used to supply the set-top box and the TV with Internet protocol television (IPTV).

The B-V175 can pass frequencies from 25kHz to 30MHz from twisted pair to coaxial cable with less than 1.5dB insertion loss across the entire frequency band. In addition, the B-V175 has a filtered phone port for traditional telephone service telephones.

The B-V175 is the first product in Pulse's family of Excelsus brand twisted pair to coaxial balun family. The product family will include baluns that support the 12MHz to 28MHz and 36MHz to 52MHz HomePNA frequency bands along with custom frequency bands and applications. In addition, Pulse is currently developing baluns for applications such as closed circuit television (CCTV) for security and surveillance.