

Model BTE

Bridged Tap Cancellation Device

OVERVIEW

Model BTE (Figure 1) is a Bridged Tap Cancellation Device that is used to improve DSL transmission performance over standard telephone lines. The device reduces the effects of echoes or reflections from bridged taps along the copper facility.

- Small form factor: 0.98”H x 0.63”L x 0.43”W
- Environmentally hardened
- Encapsulated and sealed – epoxy potted
- Easy installation to IDF type connectors
- Operating temperature range of -40 to +70°C

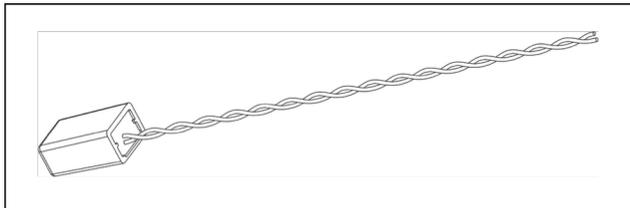


Figure 1. Model BTE

Document Status

This is the first release of this technical document.

APPLICATION

The BTE Bridged Tap Cancellation Device is placed at a specified location along a DSL facility, according to the location of the bridged tap and accessibility of the copper wire pair (Figure 2).

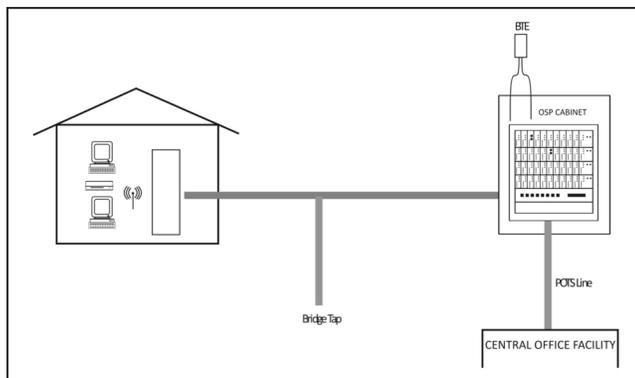


Figure 2. Application example

INSTALLATION

The device is typically installed on IDC connectors but can also be secured by other means. Connections are made through the attached 6-inch twisted-pair cable.

WARNING: To avoid possible electric shock or personal injury, follow these guidelines:

- 1) Do not install, troubleshoot, or conduct maintenance on the device during lightning or thunderstorm activity.
- 2) Only qualified and trained personnel should install or maintain this product.

CUSTOMER SERVICE

If technical or customer assistance is required, please contact Engenuity at the following address or phone number:

Engenuity Communications
3545 Stern Avenue
St. Charles, IL 60174
Toll Free: 1-800-980-3266
www.engenuitycom.com

SPECIFICATIONS

Size	0.98”H x 0.63”L x 0.43”W
Case Material	ABS with UV inhibitors, 94V-0 rated
Potting Material	Electrical Grade Epoxy – 94V-0 Rated
Signal Interoperability	ADSL, ADSL+, VDSL, VDSL2 compatible
Wire Connectors	24 Gauge twisted pair wire – 6 Inches
Impedance	100 ohms
Working Voltage	2000V
Insulation Resistance	> 100 MΩ
Environmental	IP68 waterproof
Operating Temperature	-40° C to +70° C

ORDERING INFORMATION

Engenuity Part Number: BTE-5

Description: Package of five (5), Model BTE Bridged Tap Cancellation Device