

MIL-STD-1553 In-Line Quick-Clik Couplers



Data Sheet

The use of QUIK-CLIK couplers can reduce the number of connectors and solder joints in the network thereby improving reliability significantly. This unique concept for data bus couplers and terminators offer MIL-STD-1553 users a new flexibility in data bus networks. Bus networks can be designed with simple "T" connectors where stubs are required. When the bus is completed the couplers can be "clicked" on as you would any other cable. Although the standard stocked units are manufactured with MIL-C-17/176-00002 cable, a variety of different cables, including quadrax cable, can be specified. Couplers can also be ordered with your choice of connectors installed at either end. Stocked units have 3 meter (9+ feet) leads with pig tails. Other lengths are available on special order with fast turn around.

All resistors are 1 Watt per MIL-R-39007, failure grade S, and the transformers are manufactured to MIL-T-21038. Internally, the couplers are manufactured for maximum strength by soldering the shield for 360 degrees around the ferrule inside the case, the conductors are given a strain release loop before being soldered to the internal printed circuit board. The entire coupler is encapsulated for maximum protection.

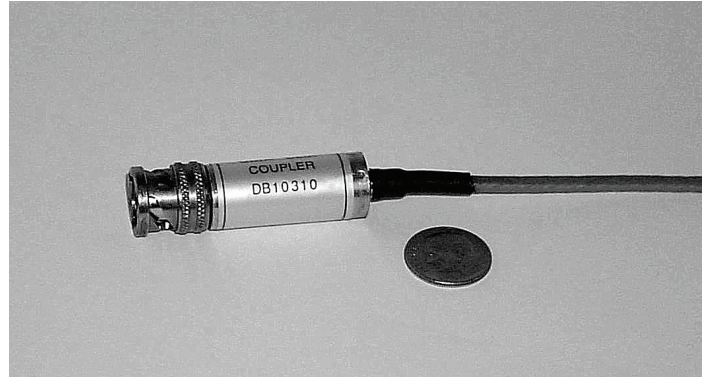
Specification Control Drawings are available to help you document the part selected for your system.

Features:

- Any cable length or type
- Rugged-fully encapsulated
- Bayonet or threaded connectors
- Any connector type

Benefits:

- Lowest cost
- Smallest size
- High reliability
- Fast turn around for custom units



North Hills Model # DB10310 Quick-Clik Coupler.



For more information: www.BTTC-Beta.com/QuickClik

Specifications

Electrical (All parameters are in accordance with MIL-STD-1553B and Notice 2.)

Parameter	Value
Droop	20% Maximum @ 250 kHz
Overshoot and Ringing	$\pm 1.0V$ Peak
Common Mode Rejection	-55.0 dB (Min) @ 1 MHz
Fault Protection	$59\Omega \pm 1\%$, 1 Watt per MIL-R-39007
Turns Ratio	1:1.41
Stub Voltage	1.0V _{pp} to 14.0V _{pp} transformer coupled
Operating Temperature	-55°C to 125°C
Storage Temperature	-55°C to 150°C

Higher temperature units available.

Specifications subject to change without notice.

Ordering Information

Interface	Model #	Turns Ratio	Input Impedance (Ω), 75 kHz to 1 MHz	Wt1 (Gms)	Mating Connector
TRB/70 Series PLUG, Bayonet	DB10310	1:1.41	3000	25	TRB/70 Series JACK
TRB/70 Series JACK, Bayonet	DB10311	1:1.41	3000	27	TRB/70 Series PLUG
TRB/70 Series PLUG, Threaded	DB10320	1:1.41	3000	29	TRT/70 Series JACK
TRB/70 Series JACK, Threaded	DB10321	1:1.41	3000	31	TRT/70 Series PLUG

¹ Excluding cable.



The information in this Brochure is believed to be accurate; however, no responsibility is assumed by Beta Transformer Technology Corporation for its use, and no license or rights are granted by implication or otherwise in connection therewith. Specifications are subject to change without notice.

For ordering assistance and technical support,

E-Mail: service@BTT-C-Beta.com

Visit: BTT-C-Beta.com    Data Device Corporation

Call: HQ, N.Y., U.S.A (631) 224-7393

UK	+44-(0)1635-811140
France	+33-(0)1-41-16-3424
Germany	+49-(0)89-1500-12-11
Japan	+81-(0)3-3814-7688
Asia	+65-6489-4801
India	+91 80 46797 0368

