DIU-15D-15

2 Port Digital Interface Unit w/ 10.4-12.4 MHZ Filter

- *Simplify drop installs*
- *Reduce Inventory*
- *Improve drop specs*

The DIU-15D-15 includes a 10.4-12.4 MHZ notch filter on the TV port and a clear data port for cable modem service. Each port protects the subscriber's and system's equipment connected to it by utilizing Cable Innovations patented surge suppression design and Sidactor technology.

A Sidactor is a solid-state crowbar device designed to protect equipment during hazardous transient conditions. In the standby mode, the Sidactor appears transparent to the circuits it protects, but upon application of a breakover voltage exceeding 135V, the Sidactor will crowbar and simulate a short circuit condition, which will divert the over voltage to ground, without effecting the RF signal. Once clear of the high transient condition, the Sidactor will reset and return to its normal high off-state impedance.

The DIU-15D-15's combination of efficiency, simplicity of installation, and superior surge protection makes it the clear choice when installing cable modem service.

SPECIFICATIONS Guaranteed Minimum Performance							
FREQUENCY (MHZ)	**5**	**10.4-12.4**	**17-40**	**54-105**	**106-550**	**551-871**	**871-1000**
Insertion Loss (IN-TV1)	40	5.7	35	4.8	5.0	5.0	5.0
Insertion Loss (IN-DATA)	3.6	3.7	40	5.1	5.1	5.1	5.1
Isolation (DATA)(TV1)	55	30	65	30	23	23	23
Return Loss (IN) (-DB MIN)	-	18	-	21	21	18	18
Return Loss (TV1) (-DB MIN)	-	17	-	18	20	18	18
Return Loss (DATA) (-DB MIN)	24	24	24	24	24	20	20
EMI/RFI Isolation (dB)	130	130	130	130	130	130	130

SPECIFICATIONS (Surge Suppression)	
DC Breakover Voltage	135V Min.165V Max.
Response Time	Less than 1 nanosecond
Current Suppression	1000 Amps (2 x 10µs)

PRODUCT FEATURES

SCTE compliant "F" ports with 360 degree contact

SCTE approved grounding screw and ground wire connection

Dual adjustable mounting tabs for easy installation

Voltage Blocking Capacitors on all ports to prevent ferrite core saturation

Soldered brass back plate to prevent rusting and provide superior EMI

Operating temperature (Ambient) -40 to +140 Degrees Fahrenheit 40 to +60 Degrees Celsius (Centigrade)

Chromate zinc housing for superior corrosion resistance

Patented surge suppression, other patents pending.

SMD Components for more precise specs and superior digital performance

Meets NEC 830-30 Two (2) Year Warranty

CABLE INNOVATIONS.INC 4737 Hwy 332 #21 Hoschton, GA 30548 800-952-5146 Fax 770-962-6133 www.cableinnovations.com.