

Coaxial Line Surge Protective Device

CLT SERIES

The CLT Series provides Bidirectional Transient Voltage Surge Suppression for Coaxial Applications. Units provide protection against Transient Voltages that exceed nominal operating voltages. Devices can protect against surge current impulses up to 20kA/wire.



Models are available to protect CATV, SATV, CCTV, Digital Modems, Ethernet ThinNet (10 Base 2) and Arcnet. Consult factory for special applications.

The CLT Series installs in series with the coaxial lines and diverts harmful transient energies away from sensitive system components. Units operate over a wide range of temperatures and interface with standard coaxial protocols. Nominal data range is to 100 Mbps and insertion losses as low as -0.8dB at 2.4 GHz.

UL Listed to 497B for Surge Protectors

Product Specifications

Max. Surge Current	20kA
Interface	Bi-directional
Response Time	Typically <1 picosecond
Series Resistance	< 0.1 Ohm
Nominal Data Rate	100 Mbps
Enclosure	Aluminum (Mill finished)
Max. Operating Temp	-40 to +85 C
Warranty	10 Year Product Warranty

Operating Frequencies

CATV to 1.2 GHz
 SATV to 1.2 GHz
 CCTV to 800 MHz
 LAN to 800 MHz
 N Type to 2.4 GHz

Insertion Losses

Video BNC = -2.3dB @ 500 MHz
 Gas Tube N Type = -2.1dB @ 2.4 GHz
 Hybrid F = -2.6dB @ 1.2 GHz
 Gas Tube F = -0.8dB @ 2.4 GHz

Maximum Operating Voltages

Video CCTV = 10 Volts
 Ethernet 10 Base 2 = 15 Volts
 Arcnet = 30 Volts
 SATV = 30 Volts
 CATV = 30 Volts

Dimensions & Weights

Case K: 2.9" L x 1" D (1.6 oz.)
Case L: 3.7" L x 1" D (2.3 oz.)
Case N: 3" L x 1" D (2.7 oz.)

Model Number	Applications & Voltages	Connector Interface	Case Style	Mounting Options
CLT	-XXX	-X	-X	-X
Coaxial Line Treater	Replace XXX with: CTV = 36V Cable TV TVC = 75V TV Cable CCV = 10V Video VCC = 75V Video ENT = 18V 10 Base 2 ARC = 30V Arcnet NTV = 75V Satellite NOTE: Bold items are Gas Tube (only).	Replace X with: 1 = F Type 2 = BNC 4 = N Type Consult factory for gender options.	Replace X with: K = Short BNC & F Connectors Cases L = Long BNC & F Connectors Case N = N Connector Case	Replace X with: 1 = BNC/F Universal Mounting Bracket 2 = N Universal Mounting Bracket NOTE: Both brackets come with a metal din rail clip.

NOTE: One (1) Circuit per Device



Meter-Treater, Inc.

1349 South Killian Drive, Lake Park, Florida, 33403

Tel: Main (561) 845-2007
Sales (800) 638-3788
Fax: (561) 848-2372
E-Mail: sales@metertreater.com
Web: www.metertreater.com