mail

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Three-stage RS-232, RS-422/485 Surge Protectors

Models 485HESP, 422HESP, 232HESP



www.advantech-bb.com



These three-stage surge protectors protect against lightning strikes, power surges, and other types of voltage disturbances with three stages of protection for each line: a gas discharge tube followed by a series resistor and finally a Transient Voltage Suppresser (TVS).

The surge protectors housed in a tough metal, panel mount case with a protected signal ground connection and dedicated chassis ground lug. In order to work properly, it is important to have a good connection between the #10 screws and a solid earth ground. Two terminal posts and two metal mounting brackets provide a good ground connection.

PRODUCT FEATURES

- •Three stages of protection on every data line
 - 1) Gas discharge tube
 - 2) Series resistor
 - 3) Transient voltage suppressor
- Protected signal ground connection
- Rugged terminal block connections
- Dedicated chassis ground lug

ORDERING INFORMATION			
MODEL NUMBER	INTERFACE	LINES PROTECTED	MOUNTING
485HESP	RS-422/485	(3) RS-422/485	Panel Mount
422HESP	RS-422/485	(5) RS-422/485	Panel Mount
232HESP	RS-232	(5) RS-232	Panel Mount

ACCESSORIES

SDECIEICATIONS

CU15B - Copper Grounding Strap

SPECIFICATIONS			
SERIAL TECHNOLOGY			
3-position terminal blocks			
3-position terminal blocks			
5-position terminal blocks			
5-position terminal blocks			
SURGE SUPPRESSION			
72 VDC, minimum 108 VDC, maximum			
2.7 Ohms			
Models 422HESP, 485HESP: 6.45 VDC, minimum 7.14 VDC, maximum Model 232HESP: 14.3 VDC, minimum 15.8 VDC, maximum			
Less than 5 x10 ⁹ seconds			
11.4 x 8.4 x 4.6 cm (4.5 X 3.3 x 1.8 in)			
In-line			
0.19 kg (6.7 oz)			
0 to +70 °C (+32 to +185 °F)			
-40 to +85 °C (-40 to +185 °F)			
0 to 95% Non-condensing			
APPROVALS / CERTIFICATIONS - 485HESP			
2011/65/EU - Reduction of Hazardous Substance Directive			
2012/19/EU - Waste Electrical and Electronic Equipment (WEEE)			

Learn More About Surge Suppression & Isolation

These informative articles are available at www.advantech-bb.com:

- "Isolation: Your Best Investment for Reliability"
- "Dataline Isolation Theory"
- "Dataline Surge Protection"

All product specifications are subject to change without notice. 485HESP, 422HESP, 232HESP_3117ds



orders@advantech-bb.com / Corporate Headquarters: 707 Dayton Road, PO Box 1040 Ottawa, IL 61350 USA 815-433-5100 Fax 433-5104 support@advantech-bb.com / European Office: Westlink Commercial Park, Oranmore Co. Galway Ireland +353 91 792444 Fax +353 91 792444