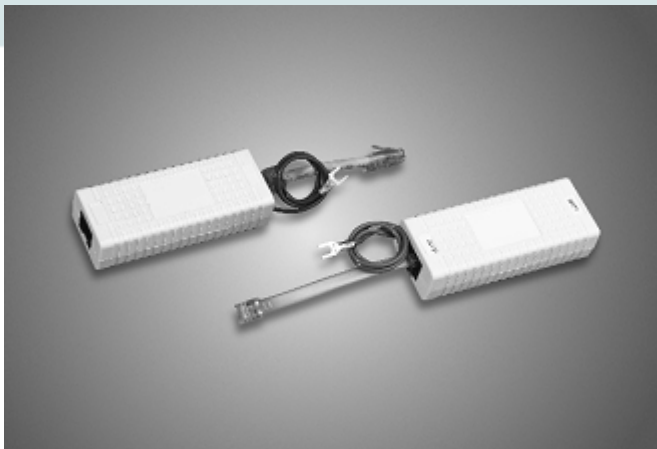




V-Blox™ RJ45 & RJ11 MTJ™ Protection Products

Ideal For RJ11 and RJ45 — Style Twisted Pair Interfaces



MTJs OFFER

- State-of-the-art, avalanche diode and thyristor technology
- Compact, in-line installation
- High speed, high energy handling capability
- Low shunt capacitance to reduce signal loss

YOU RECEIVE

- Affordable, superior, equipment security
- Improved reliability and maximized system up-time
- Protection at the interface card
- Adaptability to most industry applications

The MTJ Series of surge protectors for RJ45 and RJ11 interfaces will ensure the reliable operation of Local and Wide Area Networks. We offer protection for LAN interface technologies such as Ethernet 10BASE T, 100BASE T, CDDI, 100VG-AnyLan and ATM155. For WAN and Telco applications we offer protection for environments including ISDN, T1, FT1, DDS, analog dial up modems, faxes and more. Additionally, our Custom Products Division provides products for nonstandard or custom applications not included in our standard product offering.

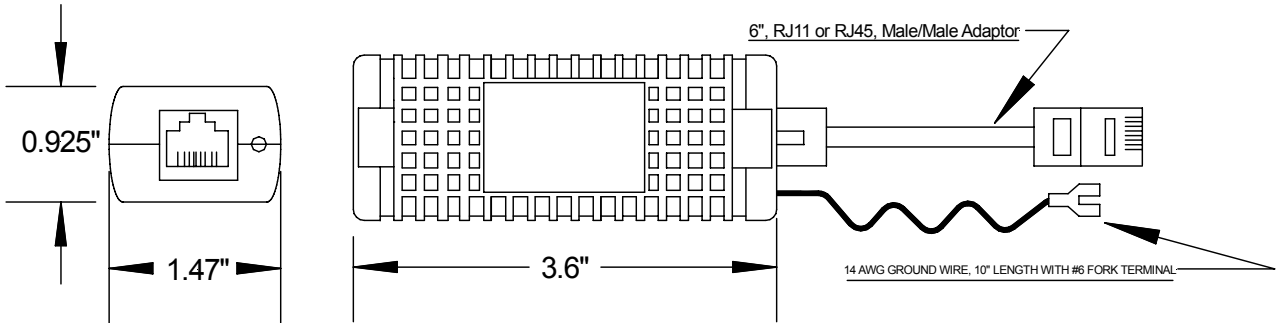
The MTJ Series devices guard sensitive data networks against lightning induced surges, AC power interference, electrostatic discharge, and ground loop energies. Typical applications include: NIC's, switches, hubs, repeaters, bridges, routers, point of sale terminals, modems, fax machines, telephones and most other types of communications equipment utilizing RJ45 or RJ11 modular telephone jacks. High speed avalanche diode technology is used in conjunction with low capacitance circuitry enabling the protectors to function at a much greater bandwidth without causing signal degradation. Standard units are available with up to 8 wires protected on the RJ45 devices, and up to 6 wires protected on the RJ11 device. All this, in combination with their small size, makes the MTJ exceedingly versatile.

ALL V-BLOX PRODUCTS ARE MADE IN THE USA

V-Blox Corporation is the leader & innovator in the design and manufacture of surge protection products, with twelve series of products and over 4,000 production variations. Through our Custom Products Division (CPD), V-Blox can design surge protection solutions for just about any application or network environment. V-Blox's Three Dimensional Balanced Array Protector earned the industry's highest recognition as the "gold standard" in communication line surge protection. Continued innovations include the use of avalanche diode technology, compact in-line installations for stand-alone applications along with products that address the structured cabling environment, coupled with high-speed, high-energy handling capability. V-Blox's products provide protection for products such as hubs, routers, switches, modems, ISDN, CATV, CCTV, SATV, USB, PCMCIA cards, and POS terminals. Please visit our website at www.vblox.net for more information on our broad range of products.

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	ELECTRICAL SPECIFICATIONS (All specifications are subject to change with notice)					
	10BASE T	100BASE T	TOKEN RING	CSU/DSU	ISDN	DIAL-UP MODEM/FAX/DSL
	RS422/RS423	ETHERNET	RS232		DDS/T1	
		ATM155				
STD. Clamp Voltage	7.5 Volts	12 Volts	18 Volts	60 Volts	60 Volts	240 Volts
PEAK PULSE CURRENT	132 Amps	97 Amps	60 Amps	50 amps	50 Amps	75 Amps
10/1000 μ s s.c. wave form @ Vcl						
RESPONSE TIME	-----LESS THAN 5 NANoseconds-----					
MAXIMUM SHUNT CAPACITANCE	<40pF	<25pF	<40pF	<75pF	<75pF	<95pF



	WIRES PROTECTED	SYSTEM APPLICATION AND MODEL NUMBER										
		10BASE T ETHERNET	100BASE T ETHERNET ATM 155	RS322/RS423	TOKEN RING RS232	CSU/DSU	ISDN	DDS	T1	DIAL-UP MODEM/FAX	DSL	
		RJ-11	2 WIRE									
	2 CENTER PINS PROTECTED	X	X	X	X	X	X	X	X	MTJ02G/RJ11	X	
	4 WIRE											
	4 CENTER PINS PROTECTED	X	X	MTJ04E/RJ11	X	X	X	X	X	MTJ04G/RJ11	X	
	6 WIRE											
	ALL PINS PROTECTED	X	X	MTJ06E/RJ11	X	X	X	X	X	MTJ08G/RJ11		MTJ-DSL
RJ-45	12,3,6	MTJ04E/RJ45	X	X	X	X	X	X	X	X	X	X
	12,4,5	X	X	X	X	X	X	X	MTJ-T1	X	X	X
	12,7,8	X	X	X	X	X	X	MTJ-DDS	X	X	X	X
	4 WIRE											
	4 CENTER PINS PROTECTED	X	X	MTJ04E/RJ45-C	MTJ08T/RJ45	MTJ-ISDN*	MTJ-ISDN*	X	X	X	X	X
	8 WIRE											
	ALL PINS PROTECTED	MTJ08E/RJ45	MTJ-C5 (no RJ45 m/m adapter provided)	MT08T/RJ45	MT08T/RJ45	MTJ-DIGITAL	X	MTJ-DIGITAL	MTJ-DIGITAL	MTJ08G/RJ45		

* With pins 1 & 8 passed through (SPECIAL CONFIGURATIONS ARE AVAILABLE, CONTACT YOUR SUPPLIER)

ORDERING INFORMATION

To order a MTJ, choose the connector type depicted above that accommodates the system application and the number of wires to be protected.

NOTE: Special units can be supplied for any clamp voltage between 7.5 V and 240 V. The following information must be specified when ordering special units:

1. Connector type and pin assignment (ex., RJ45, pins 1,2,7,8)
2. System application (ex., DDS, ISDN, Ethernet)

INSTALLATION

To install, insert the protector in series between the incoming communication lines and the I/O port of the equipment to be protected. The protector ground wire must be connected to the metal chassis of the equipment being protected. Units should be installed at both ends of the data cable for the most effective protection.

CAUTION

Ground wire must be grounded directly to the metal chassis of the equipment being protected. The equipment chassis must be connected to earth through a properly grounded AC power receptacle.

V-BLOX CONNECTED EQUIPMENT GUARANTEE

V-Blox Corporation offers our \$25,000 Connected Equipment Guarantee, 15 Year Replacement Program and a Limited Lifetime Warranty. This warranty applies only to serialized low voltage products registered with V-Blox Corporation and is subject to certain disclaimers and limitations. For a complete warranty statement, please contact V-Blox Corporation. All specifications and dimensions are subject to change without notice.