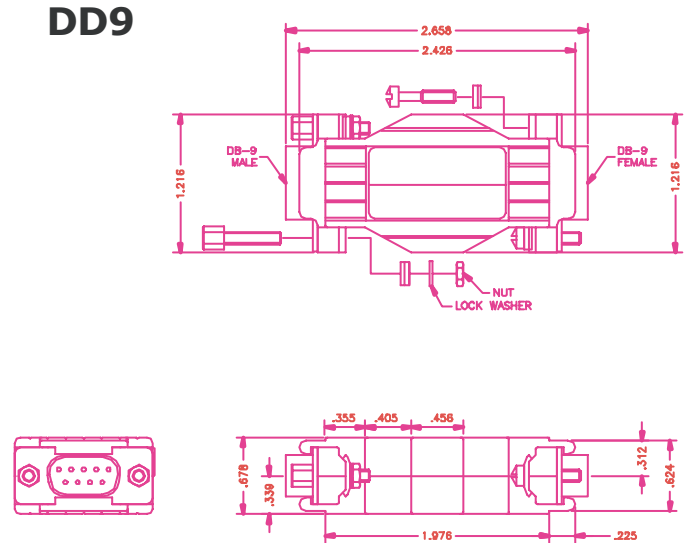
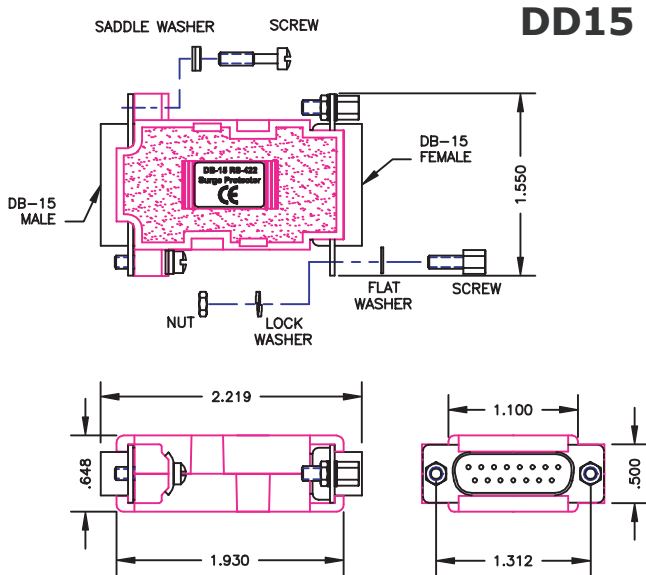


DB9 & DB15 Plug-in Surge Protectors



Citel RS422/RS485/RS232 surge protectors were designed to be plugged in directly behind your equipment. I/O connections can be made with DB9 or DB15 connectors. They are compatible with most major computers, programmable controllers and printers.

The DD9 (DB9 connectors) and DD15 (DB15 connectors) series utilize a single stage of heavy duty SADs (silicon avalanche diodes) which provides an ultra fast response time of less than 1 nano-second.

- ✓ **Ultra fast response time - less than 1 nano-second**
- ✓ **Plugs in directly behind your equipment**
- ✓ **Supports data rates up to 2 Mbps**

Electrical Specifications

	DD9-24V DD15-24V	DD9-6V DD15-6V
Application :	RS232	RS422/RS485
Series Resistance :	0 Ω	0 Ω
Capacitance :	< 300 pF	< 300 pF
Maximum Transmission speed :	DD9/114 Kbps DD15/2 Mbps	DD9/114 Kbps DD15/2 Mbps
Maximum Line Current :	200 mA	200 mA
Maximum Line Voltage :	24 V	6 V
Clamping voltage :	30 V	10 V
Power handling : (8/20μs - 10 x's)	200 A	200 A
End of Life Characteristics : (U=220V eff/Icc>10A)	Short Circuit	Short Circuit
Housing :	Plastic	Plastic

Mechanical Configurations

Model # :	Pins Protected :
DD9-24V:	All 9 Pins protected
DD15-24V:	All 15 Pins protected
DD9-6V:	All 9 Pins protected
DD15-6V:	All 15 Pins protected

Descriptions

Model # :

DD9-24V: Bidirectional - DB9 Male/DB9 Female

DD15-24V: Bidirectional - DB15 Male/DB15 Female

DD9-6V: Bidirectional - DB9 Male/DB9 Female

DD15-6V: Bidirectional - DB15 Male/DB15 Female