

AirGuard SSSDC/OEM Series



RF surge protection for coaxial applications

- MOV technology
- Extremely low let-through voltage
- Designed for specific OEM systems
- DC to 2.4GHz
- LED indication of DC power status
- DC continuity for tower top amplifiers and ODU's



The **SSSDC/OEM Series** of surge protection devices prevents surges and transient overvoltages conducted through coax cables. These surge protectors protect both the RF signal and the DC power on coax between the indoor unit and outdoor transceiver unit.

All **SSSDC/OEM** units have an LED DC status indication and utilizes all solid state technology that provides a 70% lower let-through voltage compared to gas tube technology.

Typical applications for the SSSDC/OEM Series include point-to-point and point-to-multipoint wireless systems, Local Multipoint Distribution System (LMDS), Wireless Local Loop (WLL), and Multichannel Multipoint Distribution Systems (MMDS) equipment.

Receivers and transmitters are particularly vulnerable to damage from the effects of

lightning. Their remote locations (height above ground) and physical construction make them vulnerable to lightning activity. The use of semiconductors and integrated circuits in transmitters and receivers has rendered them particularly prone to damage from these disturbances.

Excellent performance levels are achieved using Metal Oxide Varistors (MOV) to offer high surge current capability in a rugged, economic, compact enclosure to produce superior surge suppression.

The **AirGuard Series** provides a wide range of connector types including BNC, TNC, N-type, 7/16, and UHF to suit all application requirements. In addition, bulkhead mounting options are provided where insertion into a panel is preferable. The GT and RGT Series are available with a wide choice of voltages: 90V, 145V, 230V, 350V, 470V

600V, 800V or 1,000V.

Complete facility/site protection can be achieved by using Atlantic Scientific's wide range of AC and DC power surge protection devices to prevent surges entering equipment via the power supply. The ZoneMaster range of protectors combine a high level of protection and when used in conjunction with the ZoneBarrier data modules, provide the highest level of protection available.

RF Coax Protection

Specification

(all figures typical at 77°F unless otherwise stated)

Maximum discharge current
20kA (8/20μs)

Maximum Clamping Voltage
See table

Frequency Range
DC to 2.4GHz

Peak Pulse Current (8/20μs)
40kA

Impedance
50 or 75 Ω

RF Power
18W maximum

Model	OEM System	Connector	Maximum Operating Frequency (GHz)	Clamping Voltage (V)	Maximum Current (A)	DC Voltage (V)
90812	P-Com	N-Type	2.4	<170	20,000	+48
90813	NEC	N-Type	2.4	<170	20,000	-48
90928	GPS & Preamp	N-Type	2.4	<48	20,000	+18
91071	Aperto	F-Type	2.4	<30	20,000	+18

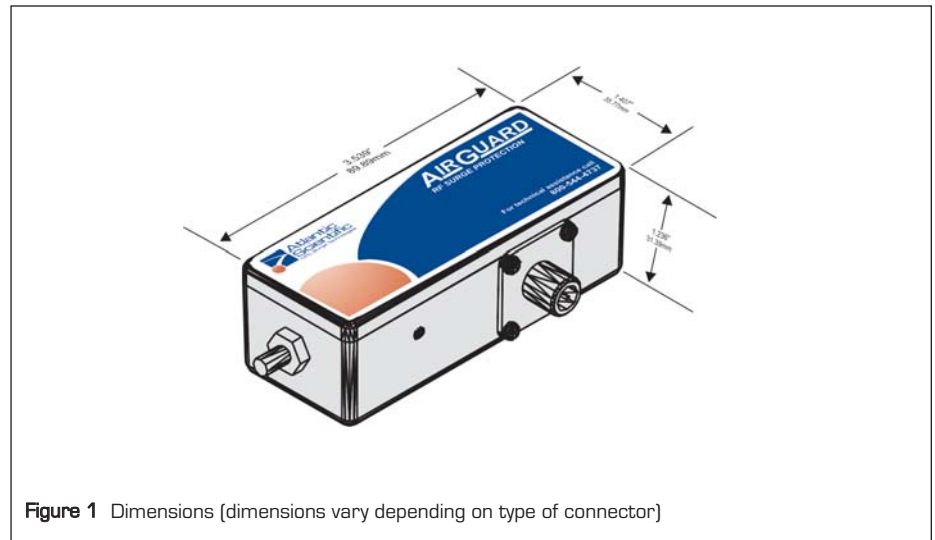


Figure 1 Dimensions (dimensions vary depending on type of connector)

Note: In accordance with our policy of continuous improvement, we reserve the right to change the product's specification without notice.

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