

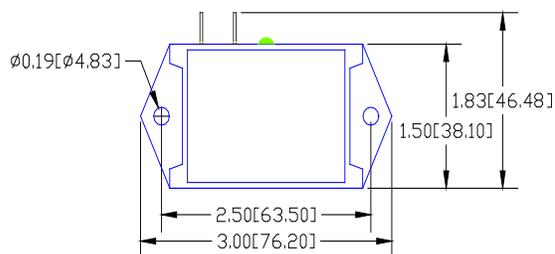
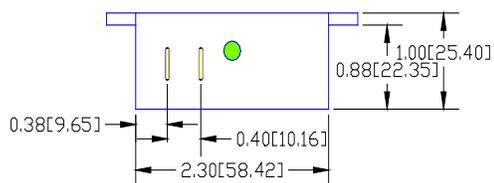
SurgeFree™

The AEP Series

Automotive Electronics Protector

MCG's new Direct Current AEP-12 and AEP-24 protect sensitive electronics from damaging transients that occur in a battery/alternator electrical system. Designed with high performance and safety standards in mind, the AEP protectors will withstand repetitive transients that occur on a daily basis, in addition to the alternator's load dump transient. The units feature both over-current and thermal fusing. If there is more than one piece of critical equipment on the same circuit, multiple protectors may be employed where required.

The AEP-12 and AEP-24 are easily installed on the DC power bus in front of the electronics to be protected. As a result of its parallel connection, the power path integrity to the load is not affected. The units can be used where critical and/or costly equipment exists in generator sets, military vehicles, trucks, and buses.



	AEP-12	AEP-24
Rated Voltage:	12VDC (Max.18VDC)	24VDC (Max.36VDC)
Headroom:	25% (14.4V nominal charging voltage)	28% (28V nom. charging voltage)
Peak Power Dissipation:	4400 Watts (100µs/150ms waveform)	8800 Watts (100µs/150ms waveform)
	100,000 Watts (8/20µs waveform)	200,000 Watts (8/20µs waveform)
Connection:	Positive and negative 12VDC via two 0.25" quick connects, Male	Positive and negative 24VDC via two 0.25" quick connects, Male
Protection Type:	Unidirectional	
Wiring:	Use 14AWG minimum wire size to connect protector.	
Input Fusing:	15A (fused internally)	
Local Status Indicator:	Green LED	
Dimensions:	2"L x 1.5"W x 1" D (50.8mm x 38.1mm x 25.4mm)	
Mounting:	Two mounting holes, 2.5" Centers/Hole Diameter 0.187" for # 8 screws	
Enclosure:	ABS Plastic, epoxy encapsulated.	
Warranty:	90 days defective product replacement	

