

FP544 Reverse Battery Protection

- MIL-STD-704
- MIL-STD-1275
- MIL-STD-461
- Field installed upgrade

Product Description

The FP544 is designed to provide high forward-current capability and zero-current protection under reversed polarity input conditions. The load is protected from wiring errors, whether or not the load being powered has inherent protection, or inadequate protection from wiring faults by preventing the application of a reversed input. A "battle override" switch is provided along with built in test capability.



Absolute Maximum Rating

Parameter	Value	Unit	Notes
Input Voltage (DC)	100	Volts	Transient only
Maximum Input Voltage (DC)	40	Vdc	Steady state
Minimum Input Voltage (DC)	0	Vdc	
Maximum Load Current	60	Adc	Continuous
Ambient Temperature	-55 to +70	°C	
Baseplate Temperature	-55 to +100	°C	
Storage Temperature	-65 to +150	°C	

Performance Parameters

Parameter	Value	Unit	Notes
Forward Drop	0.40	Vdc	@ 60 Adc
Turn-on Threshold	18	Vdc	Maximum
Maximum Reverse Current	0.1	Adc	Reversed input