

PLP-S Series

Isolated Power Loop Circuit Protection

■ Surge Protection
For Business-Critical Continuity™

Using the highest quality Silicon Avalanche Diode (SAD) technology, the PLP-S is designed to protect your equipment from harmful power surges and transients. Nondegrading SADs will last the lifetime of your equipment, ensuring system uptime.

The PLP-S series of products provides isolated power loop circuit protection in applications where higher current is required, such as fire alarm and security systems.

Whether incorporated into a larger power protection strategy or used as primary protection, the PLP-S family provides unparalleled protection. The PLP-S keeps your critical equipment online in the most demanding environmental conditions.



Features

- Silicon Avalanche Diode (SAD) design for nondegrading performance and protection
- Provides protection for both single and multiple circuits
- Designed for easy hardwire installation
- Rugged enclosure for harsh environments
- Provides unparalleled clamping performance for maximum equipment protection
- UL497B listed

General Technical Specifications

SPECIFICATION	PLP-S					
	05	41	42	43	44	45
Signal Line Voltage-Vpk	5	14	30	60	140	200
Clamping Voltage-Vpk	6	16	33	67	150	211
Leakage Current Maximum @ Signal Line Voltage	10µA	20µA	20µA	10µA	10µA	10µA

Performance Technical Specifications

Primary Technology	Bipolar Silicon Avalanche Diode (SAD)
Operating Frequency	DC to 30 MHz
Response Time	< 5 nanoseconds
Protected Lines: Two Pairs (Four Conductors)	L1-L2-L3-L4-Gnd (All Modes)
Peak Pulse Energy Dissipation	10 Joules Each Mode
Interface	Wire Clamp Terminals
Current Rating	7 Amps Maximum
Series Impedance	<0.01 Ohms (<0.02 Ohms/pair)
Enclosure Size (HxWxD)	2 x 3 x 1.5 inches; 5.0 x 7.6 x 3.8 cm
Operating Temperature	-40°C to +60°C
Weight	0.15 lb; 68 grams
Warranty	1 year



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Business-Critical Continuity™

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