



Solid State Devices, Inc.

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Designer's Data Sheet

Part Number/Ordering Information ^{1/}

SPD10

Screening ^{2/} ___ = Not Screened
TX = TX Level
TXV = TXV Level
S = S Level

Pin Configuration ___ = Normal (Cathode to Stud)
(See Table 1) R = Reverse (Anode to Stud)

Family/Voltage 192 = 800V
194 = 1000V
195 = 1100V
196 = 1200V
197 = 1300V
198 = 1400V

**SPD10192
Thru
SPD10198**

**35 Amp
FAST RECOVERY
RECTIFIER
800 - 1400 Volt
250 nsec**

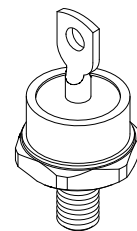
Features:

- Fast Recovery: 250 nsec maximum
- PIV to 1400V
- Low Reverse Leakage Current
- Hermetically Sealed
- Single Chip Construction
- High Surge Rating
- Low Thermal Resistance
- Ultra Fast and Hyper Fast Recovery Versions Available*
- For Reverse Polarity Add Suffix "R"
- TX, TXV, and S-Level Screening Available ^{2/}

*Contact Factory

Maximum Ratings		Symbol	Value	Units
Peak Repetitive Reverse and DC Blocking Voltage	SPD10192	V_{RRM} V_{RWM} V_R	800	Volts
	SPD10194		1000	
	SPD10195		1100	
	SPD10196		1200	
	SPD10197		1300	
	SPD10198		1400	
Average Rectified Forward Current (Resistive Load, 60 Hz Sine Wave, $T_A = 25^\circ\text{C}$)		I_o	35	Amps
Peak Surge Current (8.3 ms Pulse, Half Sine Wave, $T_A = 25^\circ\text{C}$)		I_{FSM}	500	Amps
Operating & Storage Temperature		$T_{OP} \text{ \& } T_{STG}$	-65 to +150	$^\circ\text{C}$
Maximum Total Thermal Resistance Junction to Case		$R_{\theta JC}$	1.0	$^\circ\text{C/W}$

DO-5:



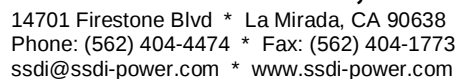
Notes:

- 1/ For ordering information, price, operating curves, and availability- contact factory.
2/ Screening based on MIL-PRF-19500. Screening flows available on request.

NOTE: All specifications are subject to change without notification.
SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: RC0132A

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Units

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