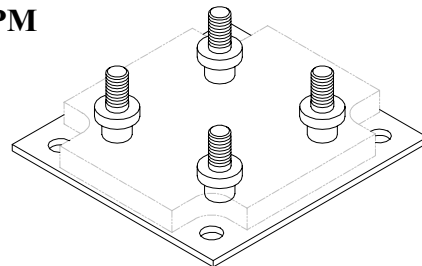




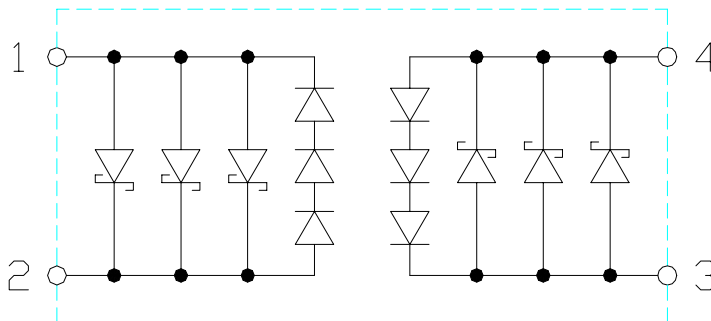
PRELIMINARY

SOLID STATE DEVICES, INC.14005 Stage Road * Santa Fe Springs, Ca 90670
Phone: (562) 404-4474 * Fax: (562) 404-1773**DESIGNER'S DATA SHEET****FEATURES:**

- Low Forward Discharge Voltage (V_{FD})
- Guaranteed Minimum Charge Voltage (V_{FC})
- Low Mechanical Stress Assembly Design
- Low Assembly Thermal Resistance
- S - Level Prescreened Devices
- High Strength Terminal Stud Attachment
- Other Terminal Styles Available

SPMR467-02**300 AMPS DISCHARGE
60 AMPS CHARGE CURRENT
BATTERY BYPASS
POWER MODULE****ASPM****MAXIMUM RATINGS**

CHARACTERISTIC	SYMBOL	VALUE	UNIT
Discharge Current (Schottky's)	I_D	300	Amps
Charge Current (Rectifiers)	I_C	60	Amps
Discharge Surge Current (Non-repetitive, $t = 8.3$ ms Pulse)	I_{DP}	2000	Amps
Operating Temperature Range	T_{OP}	-65 TO +125	°C
Storage Temperature Range	T_{STG}	-65 TO +175	°C
Thermal Resistance, Junction to Base (Discharging Leg)	θ_{JBd}	0.25	°C/W
Thermal Resistance, Junction to Base (Charging Leg)	θ_{JBc}	0.45	°C/W
Thermal Resistance, Junction to Case (Schottky Discrete)	θ_{JCs}	0.20	°C/W
Thermal Resistance, Junction to Case (Rectifier Discrete)	θ_{JCr}	0.60	°C/W

ELECTRICAL SCHEMATIC

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

DATA SHEET #: PM0009B

SPMR467-01

**ELECTRICAL CHARACTERISTICS @ T_J =25°C (Unless Otherwise Specified)**

RATING	SYMBOL	MIN	MAX	UNIT
Discharge Voltage Drop ($I_D = 450A$) ($T_{AMB} = 25^{\circ}C$) ($T_{AMB} = 100^{\circ}C$)	V_{FD1}	-	0.80	Volts
	V_{FD2}	-	0.70	
Charge Voltage Drop ($I_C = 75mA$, $T_{AMB} = 25^{\circ}C$) ($I_C = 60A$, $T_{AMB} = 25^{\circ}C$) ($I_C = 60A$, $T_{AMB} = 100^{\circ}C$)	V_{FC1}	1.6	-	Volts
	V_{FC2}	-	3.50	
	V_{FC3}	-	3.40	
Insulation Resistance (All terminals to Base @1000V)	R_{INSUL1}	1	-	$G\Omega$
Insulation Resistance (Between Cells @1000V)	R_{INSUL2}	1	-	$G\Omega$
Discharge V_F Matching	A_{VFD1}	-	10	mVolts

PACKAGE OUTLINE: ASPM

