



PRELIMINARY

SOLID STATE DEVICES, INC

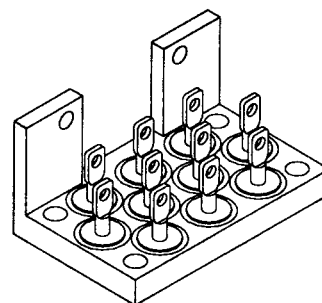
14849 Firestone Boulevard · La Mirada, CA 90638
Phone: (714) 670-SSDI (7734) · Fax: (714) 522-7424

Designer's Data Sheet

FEATURES:

- Each diode is VF matched to within 20mV of other diodes in array
- Hermetically sealed Schottky diode cells
- Hot carrier copper heat sinking mounting bracket
- Number and configuration of diodes can be customized
- TX, TXV and Space Level screening

**600 AMPS
35 VOLTS
MATCHED POWER
SCHOTTKY
DIODE ARRAY**



MAXIMUM RATINGS

RATING	SYMBOL	VALUE	UNIT
Peak Repetitive Reverse and DC Blocking Voltage	VRRM VRWM VR	35	Volts
Average Rectified Forward Current (Resistive Load, 60Hz, Sine Wave, TA=25°C) note 1	IO	600	Amps
Peak Surge Current (8.3 ms Pulse, Half Sine Wave Superimposed on IO, allow junction to reach equilibrium between pulses, TA=25°C)note 1	IFSM	800	Amps
Operating and storage temperature	Top & Tstg	-65 to +150	°C
Maximum Thermal Resistance Junction to Case	RθJC	1.0	°C/W

Note 1: Per diode

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

DATA SHEET#: RS0215 A

RMD

SDA47

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ELECTRICAL CHARACTERISTICS (per diode)

CHARACTERISTICS	SYMBOL	MAXIMUM	UNIT
Instantaneous Forward Voltage Drop (IF = 50 Adc, TA=25°C, 300µs Pulse)	VF	0.6	Vdc
Instantaneous Forward Voltage Drop (IF = 50 Adc, TA= - 55°C, 300µs Pulse)	VF	0.7	Vdc
Reverse Leakage Current (Rated VR, TA=25°C, 300µs pulse minimum)	IR	50	mA
Reverse Leakage Current (Rated VR, TA=100°C, 300µs pulse minimum)	IR	250	mA
Junction Capacitance (VR = 10 Vdc, TA=25°C, f= 1 MHz)	CJ	3000	pf

CASE OUTLINE:

