

## SCHOTTKY POWER RECTIFIERS

100V, 10A, 0.82V

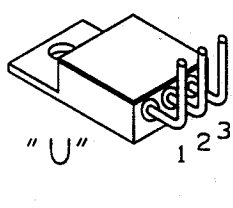
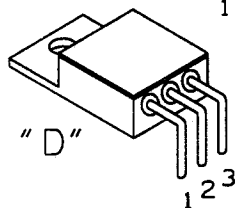
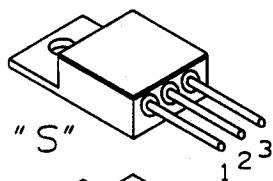
SDS10100 JAA  
 SDS10100 JAB  
 SDS10100 JDA  
 SDS10100 JFA  
 SDS10100 JFB

### FEATURES

- RUGGED PACKAGE
- HI-REL CONSTRUCTION
- CERAMIC EYELETS:  
JAA, JAB, JFA, JFB
- LEAD BENDING OPTIONS
- COPPER CORED 52 ALLOY PINS
- LOW IR LOSSES
- LOW THERMAL RESISTANCE
- OPTIONAL MIL-S-19500 OR MIL-STD-883 SCREENING

STANDARD BEND CONFIGURATIONS

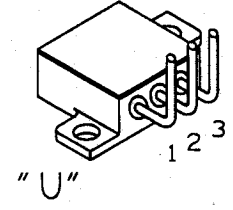
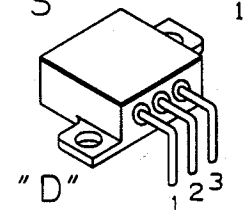
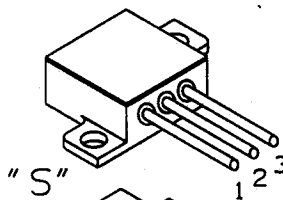
JAA  
 JDA  
 JFA



(CUSTOM BEND OPTIONS AVAILABLE)

STANDARD BEND CONFIGURATIONS

JAB  
 JFB



(CUSTOM BEND OPTIONS AVAILABLE)

### MAXIMUM RATINGS PER DIODE

PARAMETER	SYMBOL		UNITS
WORKING PEAK REVERSE VOLTAGE	VRRM	100	V
AVERAGE FORWARD CURRENT	IF(AV)	10	A
PEAK ONE CYCLE NON-REPETITIVE SURGE CURRENT	IFSM	230	A
OPERATING JUNCTION TEMPERATURE RANGE	TJ	-65 TO +150	°C
STORAGE TEMPERATURE RANGE	Tstg	-65 TO +150	°C
THERMAL RESISTANCE JUNCTION TO CASE	RtJc	3.0	°C/W

### ELECTRICAL CHARACTERISTICS Tc = 25°C (UNLESS OTHERWISE SPECIFIED)

PARAMETER	SYMBOL	TEST CONDITIONS		UNITS
MAX. PEAK FORWARD VOLTAGE ①	VF	TJ=25°C IFM=10A	0.82	V
MAX. PEAK REVERSE CURRENT ①	IRM	TJ=25°C VRWM=100V TJ=125°C	1.0 8	mA
CAPACITANCE	Ct	Tc=25°C, VR=5VDC f=100KHZ TO 1 MHZ	500	Pf

(1) PULSE TEST: PULSE WIDTH 300μS, DUTY CYCLE 2%

